UNCLASSIFIED

AD NUMBER AD406292 **NEW LIMITATION CHANGE** TO Approved for public release, distribution unlimited **FROM** Distribution authorized to DoD and DoD contractors only; Administrative/Operational Use; 17 MAY 1963. Other requests shall be referred to Air Force Systems Command, Washington, DC 20330. **AUTHORITY** AFSC per DTIC Form 55

UNCLASSIFIED

AD 406 292

DEFENSE DOCUMENTATION CENTER

FOR

SCIENTIFIC AND TECHNICAL INFORMATION

CAMERON STATION, ALEXANDRIA. VIRGINIA



UNCLASSIFIED

NOTICE: When government or other drawings, specifications or other data are used for any purpose other than in connection with a definitely related government procurement operation, the U. S. Government thereby incurs no responsibility, nor any obligation whatsoever; and the fact that the Government may have formulated, furnished, or in any way supplied the said drawings, specifications, or other data is not to be regarded by implication or otherwise as in any manner licensing the holder or any other person or corporation, or conveying any rights or permission to manufacture, use or sell any patented invention that may in any way be related thereto.

63-3-6 Scale-2

FOETNG BOETNG

406 292

SEATTLE, WASHINGTON

THE COMPANY COMPANY

CODE IDENT NO. 81205

	•		•
	NUMBER <u>D2-13946-5</u>		
•	TITLE FLIGHT ARTICLE MASS PROPERTIES REPORT	FOR MINUTEMAN .	
•	WING II CCMPONENTS FOR MISSILE 688-738	, .	
· · · · · · · · · · · · · · · · · · ·	MODEL NO. WS-133A CONTRACT NO.	AF04(694)-46	
	ISSUE NO. // ISSUED TO ast	iu .	
		٠	•
	SPECIAL LIMITATIONS ON ASTIA DISTRIBUTION		
□ LIMITE This report	ITEC — To all agencies of the Department of Defense and their contractors, D—To U. S. Military organizations only, may be distributed to nonmilitary agencies not approved above subject to Boein LIMITED category may be checked only becaus: sclual or potential patent, proposed to the contract of the con		
•			,
٠.	PREPARED BY Charles A. Hanson	5/17/6	3
:	SUPERVISED BY Service C. Wierenge	5-20-63	•
	APPROVED BY Duane C. Bronden	5-20-63	
	APPROVED BY R.G. Grey	5-20-63	
	CLASS & DISTR REPROVED BY	5-20-63 (DATE)	•
	R. G. Grey	(DATE)	
		,	
REV SYM	·	VOL. NO.	OF
U3 4287 9035 ORIG. 8/	62	SECT.	PAGE 1

	T .		Д	(DD)	ED PA	\GE	S					A	DDE	D P	AGE		
SECTION	ORIG REL PAGE NO.	REV SYM	PAGE NO.	REV SYM	PAGE NO.	REV SYM	PAGE NO.	REV SYM	SECTION	ORIG REL PAGE NO.	REV SYM	PAGE NO.	REV SYM	PAGE NO.	REV SYM	PAGE NO.	REV SYM
U3 43(1234 5678 901234 5678 901234 5678 90123 345678 901234 5678 901234 5678 901234 5678 901234 5678 901234 5678 9013333 35878 3894 4444 444 444 444 444 444 444 444 444	9/62								4955855555555666666666666666666666666666						2-51	

			А	DD	D PA	\GE:	S			<u></u>		Δ	DDE	D P.	4G E	S	····
SECTION	ORIG REL PAGE NO.	REV SYM	PAGE NO.	REV SYM	PAGE NO.	REV SYM	PAGE NO.	REV SYM	SECTION	ORIG REL PAGE NO.	REV SYM	PAGE NO.	REV SYM	PAGE NO.	REV SYM	PAGE NO.	REV SYM
U3 450	97 99 101 103 104 105 106 107 108 109 110 111 112 123 124 125 127 128 129 130 131 132 133 134 135 137 138 139 140 141 142 143 144 145 146 147 148 149 140 140 140 140 140 140 140 140	. 6/62								145 146 147 149 155 155 155 155 156 162						2-51	

	·		
	. TABLE OF CONTENTS		
,	•		PAGE
	Sulmary	•	7
		•	
1.0	INTRODUCTION .		8
1.1	REFEXINCES COMPONENT SERIAL NUMBERS	•	· 8
1.3	Discussion		8 8
1.4	CTLI PROVISIONS WEIGHING PROCEDURES		9
1.5	ECP INCORPORATION		888999
	APPROXIMENT COMATINEOUS DOTA COMANA		
2.0	MISSILE STATION DIAGRAM	,	10
3.0	WEICHT AND PALANCE SUMMARIES		
3.1	MISSILE 688	, ,	11
3.2 3.3	MISSILE 690 MISSILE 693		12 13
3.4	MISSILE 695		14 .
3.5 3.6	MISSILE 697 MISSILE 700		15 16
3.7	MISSILE 702	•	17
3.8	MISSILE 704	•	18. /
3.9 3.10	NTESTIE 706 NTESTIE 707	•	19 \ 20
3.11	NILLIE 709	.'	. 21.
3.12 3.13	NTSSILE 711 NTSSILE 712		22
3.14	1: SSIEE 714		5j i 53
3.15	1333ILE 716		25 26
3.16 3.17	NTOSILE 718 NTOSILE 719	•	20 . 27
3.18	MISSILE 720		28
3.19 3.20	MISSILE 721		29 30 31 32 33 34
3.21	MISSILE 722 NISSILE 723	٠	30 31
3.22	MISSILE 724		32
3.23 3.24	INSSILE 725 INSSILE 726		3)r 33
3.25	MICSILE 727		
3.26	MICHIE 728		36
3.27 3.28	NICSILE 729 NICSILE 730		31 38
3.29	MISCILE 732		39
3.30 3.31	Mesile 733 Nesile 734		356 378 390 412 4456 456
3.32	MISSILE 735		ή2
3.33 3.34	MISSILE 736		43
3.35	MISSILE 737 MISSILE 738	,	44 45
3.36	SUMMARY OF MEAN WEIGHT COMPONENTS		46
	·		•

U3 4288 2000 REV. 8/62

2-5142-2

REV SYM______ No. D2-13946-5

}

TABLE OF CONTENTS (Continued) PAGE 4.0 SUMMARY CHECK LISTS - MISSILE SECTIONS 47 5.0 ENCINEERING CHANCE PROPOSALS INCOSPORATED 6.0 ACTUAL WEIGHING RECORDS 6.1 INTERSTAGE - SECTION 45 6.2 INTERSTAGE - SECTION 47 6.3 AFT SKIRT - SECTION 49 6.3 BASE HEAT DEFLECTORS 162

U3 4288 2000 REV. 8/62

2-5142-2

REV SYM____

DEDESIFIES | NO. D2-13946-5 | SECT. | PAGE | 6

,

·SUMMARY

This report contains mass property summaries of the Boeing components for a series of Operational Wing II Minuteman missiles. The serialized components included in the data for each missile are those committed to that particular missile during the course of production in Seattle and may not be the ones finally installed during assembly at Air Force Plant 77.

U3 4288 2000 REV- 8/62

2-5142-2

REV SYM_______ No. D2-13946-5
| SECT. | PAGE 7

J

1.0 INTRODUCTION

- 1.1 REFERENCES
- 1.1.1 ESD Ethibit 62-45, "Mass Properties Control data for WS-133A", Dated 3 August 1962.
- 1.1.2 CCN 258 (ESD-63MCN-2597) to AFO4(647)-580 dated 5 October 1962.
- 1.1.3 Boeing Document D2-13943-2, "Flight Article Mass Properties Report for CTLI Installations."
- 1.1.4 Boeing Document D2-13944-501, "Flight Article Mass Properties Report for Missile 501 Components."
- 1.1.5 Boeing Document D2-13956-1 "Statistical Means and Dispersions for the lass Properties of Boeing Components for the Wing II Operational Minuteman Missile March 1, 1963."
- 1.1.6 Boeing Document D2-13947-xxx "Air Force Plant 77 Flight Article Mass Properties Report for Missile xxx.
- 1.2 COMPONENT SERIAL NUMBERS

Component serial numbers appear on the data summary sheet for each missile. See pages 11 through 46.

1.3 DISCUSSION

This weight report for the Bosing components of a series of Operational Wing II Minuteman missiles is presented in accordance with section 3.1.1 of BSD Ethibit 62-45 (reference 1.1.1) as authorized by CCN 258 to AFO4(647)-580 (reference 1.1.2). Since the data are to be reported monthly, this report contains data for a series of Wing II missiles whose components were manufactured recently. The report includes actual mass properties for the major components assigned to each missile in the manufacturing records at Seattle. (These may not be the same components finally assembled together at Air Force Plant 77. See reference 1.1.6 for the final configuration). Mean mass properties are used for components other than the interstages, aft skirt, and base heat deflectors since the weights for these remaining items are small. Mean and dispersion back-up data for those items can be found in the latest quarterly means and dispersions report (reference 1.1.5).

The data presented in this report consist of (1) sectional summaries of the total Bosing weight responsibility for each missile covered by this report, (2) a sectional summary of the components whose mean weights are used in lieu of actual weights, (3) summary check lists by missile section, (4) a list of Engineering Change Proposals incorporated on the hardware included in this report, and (5) actual weighing records for the interstages, the aft skirt, and the base heat deflectors.

U3 4288 2000 REV. 8/62

2-5142-2

DESCRICE | NO. D2-13946-5

REV. SYM____

The actual weighing records for the major components covered by this report can be found in section 6 (pages 49 through 162). In order to limit the size of this report, weighing diagrams and inventory lists have been omitted for all but the first unit of each interstage and skirt since the components have all been weighed in the "complete" condition. However, these records are on file and can be supplied if necessary. The change records found in section 6 are listed in order by serial number for each major component in order to assist in cross referencing the components in case of substitution at a later date.

1.h CTLI PROVISIONS

The only CTLI provisions incorporated into this report are those components which are installed on every operational missile. The mass properties data for CTLI components which will be added at Vandenberg Air Force Base are reported in reference 1.1.3.

1.5 WEIGHING PROCEDURES

A description of the weighing procedures and an accuracy statement will be found in reference 1.1.4.

1.6 ENGINEERING CHANGE PROPOSAL (ECP) SUMMARY

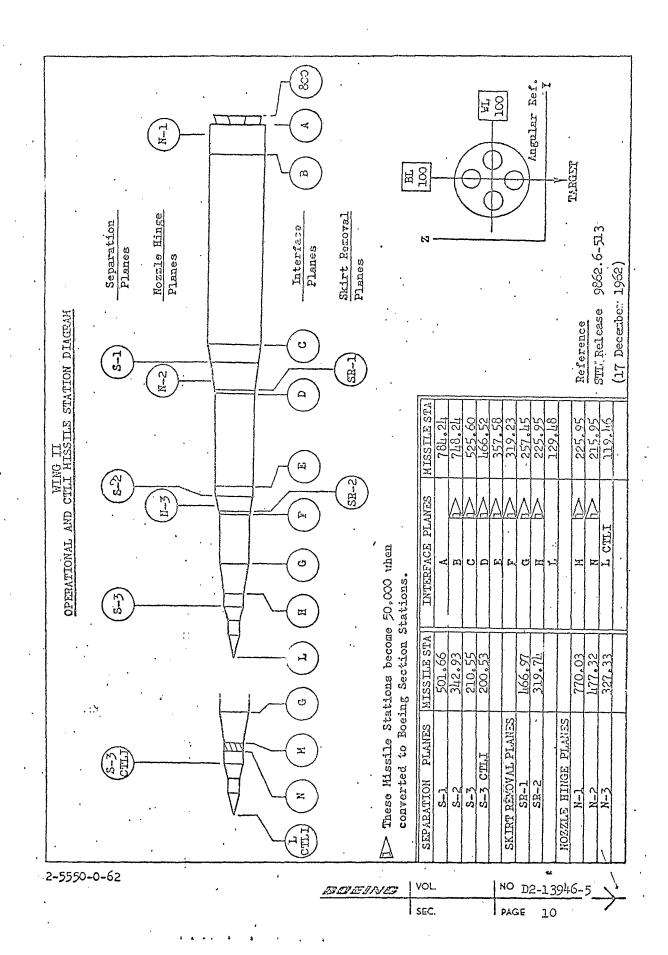
See page 48 for a list of the ECP's incorporated on the Bocing components covered by this report. The ECP's listed are those not covered by the latest revision to "Model Specification for Guided Missile Main Assemblage (S-133-1000-0-1)" dated 15, March 1963.

U3 4288 2000 REV. 8/62

2-5142-2

| No. D2-13946-5 | SECT. | PAGE 9

REV SYM____



5	.1	MISSILE NO. 688 WEIGHT AND BALA MAJOR COMPONENT	NCE SUM	MARY 0000213	, ,	REPOR DATE	T NO.			
LINE	23	DESCRIPTION	DATA	EXPENDED WEIGHT	TOTAL WEIGHT		R OF GRA	VITY	INE	RTIA T2x10-3
1	S			(LE)	(LB)	LONG.*	LAT.	VERT,	ROLL	PITCH
1	41	RV Spacer		ļ			 	<u> </u>		
2 3	}		Silo				 			
	39	CTLI Section	Aero	<u> </u>		<u> </u>	 	 	ļ	
5	1	OTHE PROPERTY.	Silo	<u> </u>			}	 	 	
6			Aero					 		
7	42	C C Section			1.02	80.94	100.00	100.00	0	0
8			Silo			·				
12	<u> </u>		Aero							
10	44	3rd Stage Engine			18,47	97.08	1.06.58	111.57	0	.003
11	-		Silo	43		94.95	110.30	117.70	0	0
12	+		: Aero Buse	.80		94.95	110.30	117.70	0	0
计	45	Interstage 2-3	្ឋារពេធ	.20	119.54	131:00 59.96	100.00	100.00	0	0
15	1	(Fwd)	Silo	 	<u> </u>	77.70	1 00 0	1-404-53	.010	,006
16			Aero				1	 		
17			Base	2.81		57.33	107.51	108.65	. 0	0
18			- Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	- 0
20	-	Portion	Base				ļ			
21	1,=	T. J	- Jott	<u> გ</u> 6.9ე		6794	99.18	100.72	.008	.005
22	142	Interstage 2-3: (Aft)	C13	7.70	63.64	80.6l	99.30	1.01. 39	.006	.003
24	-	THI CI	Silo Aero	1.18		80.97 82.00	100.50	100.84	<u> </u>	<u> </u>
	46	2nd Stage Engine		1	32.40	145.47	103.07	105.23	0	0
26			Silo	.63		99.62	112.30	121.20	.001	.018
27			Acro	•53		99.62	112.30	121.20	0	0
28			Base	1.80		1.89.25	100.00	100.00	0	0
	42	Interstage 1-2	γ		21:4.92	65.01	99.71	101.36	.032	.088
30		(Fwd)	Silo							
31			Aero					,		
3 <u>2</u> 33	-		Base	3.10		64.06	112.35	115.53	. 0	0
34	-	Jettisoned	Silo	4.21 7.56		66.61	100.32	100:55	.001	0_
35_		Portion	Aero Base	5,40		66.87	100.10	100.17	-001	001_
36			- Jett	200.7.5		69.65	100.27 98.85	100.76	.058 .001	.018
3.7	47	Interstage 1-2		,	130.13	96.63	100.75	99.76	.024	.014
38		Interstage 1-2 (Aft)	Silo	3.37		96.69		100.59	.001	0
39			Aero	3.47.		97,71	101.98	103.41	.003	0
14Q	40	<u>lot Stago Engine</u>	, , , , , , , , , , , , , , , , , , , ,		63,75	<u>224.60</u>	110.21	117.33	·00¼	.115
41 42			Silo	2.89		190.41	111.84	120.45	0	.004
43		,	Aero Base	7.80		136.60	117.20	129.70	0	.001
44	49	Skirt	Dabe	4.00	286.67	309.40 68.50	100.00	100.00	0	0
45			Silo	17.57	200.01	68.02	100.99	100.60	·06#	.039
45 46 47 48			Aero	3.33		67.80	100.64	101.12	.004	.002
42			Base	40.60		69.10	101.70	102.76	.001	·006
48		MISSILE			950.54					
49	<u>.</u>		_Silo_	32.20						
몵			<u> Auro</u>	21.25			************			
50 51 53		· · · · · · · · · · · · · · · · · · ·	Base	58.71						
	رخ داد	oeing Section St		287.05						

* Boeing Section Stations (See Missile Station Diagram)
2-5550-0-58

**RODE-13946-5
SEC. PAGS 11

3.		MISSILE NO. 690 WEIGHT AND BALAN			,	REPOR'I	NO.			
		MAJOR COMPONENTS	s/n 00	00207 EXPENDED	TOTAL	DATE		******	INE	RTIA
LINE	잂	DESCRIPTION	DATA	WEIGHT	WEIGHT	-	OF GRAV			r2x10-3
H	(i)			(LB)	(LB)	LONG.*	LAT,	VERT.	ROLL	PITCH
1	41	RV Spacer		ļ						
_2			<u>Silo</u>							
_3	-	OBY T A LI	Aero					-		
4	39	CTLI Section	047-							
5			Silo Aero							
_7.	42	G&C Section	NGI Q		1.02	80.94	100.00	100.00	0	0
/		<u> </u>	Silo							
<u>_</u> _			Aero							
10	44	3rd Stage Engine			18.60	97 • 33	106.53	111.49	0	- 2003 -
11			Silo	.43_		<u> </u>	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.79	0	0
13	ļ		Base	· .20	100 05	131.00	100.00	100.00 101.48	010	. <u>0</u> . <u>0</u> 06
14	45		Silo	 	120.05	59.74	100.14	101.40	010	<u> </u>
15 16		(Fwd)	Aero	 						
10 17	 		Base	2.81		57.33	107.51	108.65	0	0
18		r	- Silo	1.92		61.11	101.01	101.74		
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21		L	- Jett	87.41		61.62	98.97	100.64	.008	.005
22.	45	Interstage 2-3			63.98	80.64	99.30	101.39	.006	003
23. 24	ļ	(Aft)	Silo	1.18		\$2.97	100.50	100.84		<u> </u>
	1.0	2.204	_Aero_	1.18		82.00	103.07	105.23		.018
25	40	2nd Stage Engine	Silo	.63	32.55	145.68	105.88 112.30	110.24 121.22	.001	.010
26. 27.	 			.53		99.62 99.62	112.30	121.20		0
28	 		Base	1.80		1.89.25	100.00	100.00	0	0
29	47	Interstage 1-2		ļ	243.06	67.59	99.44	101.61	.032	.022
30		(Fwd)	Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	<u> </u>	
33.	-		- Silo	4.21		66.61	100.32	100.55	001	00
34	├	Jettisoned	Aero	7.56		66.87	100.10	100.17	001	001
35.	-	Portion	Base - Jett	5.40 1 98.29		69.15	100.27 98.51	100.76 101.0 5	.001 .028	.018
	47	Interstage 1-2	0600	170.29	129.04		100.76	99.76	.024	.014
38	† <u>-</u> -	(Aft)	Silo	3,37		96.69	100.34		.001	0
39.			Aero	3.37 3.41		97,71	101.98	103.41	.001	Ō
40	48	lat Stage Engine			63.35	224.01	110.28	117.44	.004	.115
41	-		Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04	ļ	136.60	117.20	129.70	0	.001
43	11.0	Chelent	Base	4.80	000	309.40	100.00	100.00	0	0
44	147	Skirt	Silo	17.57	289.17	68.38 63.02		101.01 100.60	.064	.039
46	+-	 	Aero	3.33	 	67.80			.004	.002 0
42	1		Bane	10.60	<u> </u>	69.10		101.J2 102.76	.007	.006
48		MISSILE			960.82	<u> </u>			1	
49			Şilo	32.20						
50			Aero	21.25						
51 52	ļ		Base	58.71						
152	1		Jett	285.70		1			Į	

ETETANAS VOL SEC.

PAGE 12

17

20

U

3.		MISSILE NO. 693 WEIGHT AND BALAN			, , ,	REPORT	r no.			\-
LINE	SEC.	MAJOR COMPONENTS DESCRIPTION	DATA	EXPENDED WEIGHT	TOTAL WEIGHT	·	R OF GRA	V ITY	INE	RTIA T2x10-3
	ļļ			(LB)	(LB)	LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer		ļ					ļ	
-2		· · · · · · · · · · · · · · · · · · ·	Silo	ļ						
3	30	CTLI Section	Acro	 					<u> </u>	
5	בנ	OTHE DECCION	Silo							
F.	i		Aero							
7	1+2	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo			<u>, ., ., .,</u>				
2	<u> </u>		Aero	ļ						
r ~	44	3rd Stage Engine	~		1.8.68	97.18	106.50	777.44		.003
11	-		Silo	.43		94.95	110.30	117.70	<u> </u>	0
1.2	-		Aero Base	.80		94.95 131:00	110.30	117.70	0	0
以	45	Interstage 2-3	, Dase	.20	119.27	60.08	100.00	101.39	7.010	.006
2.5	1-1-2	(Fwd)	Silo				_ab(\)\\\ e \\ \cdot \			
16	1-		Aero							
17			Base	2.81		57 • 33	107.51	108.65	· 0	0
18		Г	Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	<u>Aero</u>	3.40		61.59	100.27	100.47	0	.0
20_	ļ	Portion	Base	000						
21	1/2	T-1	- Jett	86.63	63.46	62.11	99.15	100.52	.008	.005
22	192	Interstago 2-3 (Aft)	Silo	1.18	03.40	80.64	99.30	101.39	006	.003
24	-	70777	Aero	1.18		80.97 82.00	100.50 103.07	100.84 105.23	0	0
25	46	2nd Stage Fagine	V67.0	70	32.25	175.25	1.05.94	110.33	.001	.018
26		- AND THE STREET	Silo	.63		99.62	112.30	121.20	0	0
27			lero	.53		99.62	112.30	121.20	Ō	Ö
28			Dese	1.80		189.25	100.00	100.00	0	0 .
	47				245.33	67.53	99.68	101.47	.032	.022
30 31.	 	(Fwd)	Silo							ļ
121	├		Aero			()				
3 <u>2</u> 33	┼		'Base - Silo	3.10		64.06 66.61	112.35	115.53	00	0
34	-	Jettisoned	Aero	4.21 7.56		66.87	100.32	100.55	.001	0
35.		Portion	Base	5,40		67.09	100.27	100.76	.001	1001
36		L.	- Jett	200.56		67.06	98.81	100.50	.028	.018
37 38	47	Interstage 1-2			130.37	96.67	100.76	99.76	.024	.014
38	<u> </u>	(Aft)	Silo	3.37 3.41		96.69.	100.34	100.59	.001	0
39 40	1,2	7 - 1 Ch P	Aero	3.41	75.57	97,71	101.98	103.41	.00].	0
41	140	1st Stage Engine	Silo	0.00	63.26	223,67	110.29	117.46	.004	.115
42	-	,		2.89		190.41	111.84	120.45	0	-004
43	1		Aero Base	1.04 4.80		136.60 309.40	117.20	129.70	. 0	.001
	49	Skirt	-2000	7.00	287.22	65.34	100.00 100.74	100.00	.064	.039
145			Silo	17.57		68.02	100.35	100.60	.004	.002
146	<u> </u>		Aero	3.33	·	67.80	100.64	101.12	.001	0
47	-	L	Base	40.60		69.10	101.70	102.76	.009	.006
48_	 	MISSILE		<u> </u>	<u>960.86</u>					
49	-		<u> 5110</u>	32.20						
50	-	· · · · · · · · · · · · · · · · · · ·	Aero	21.25						
51_ 52	-		Base	58.71	·	<u> </u>				<u> </u>
	<u>. </u>	Roeing Section St	Jett	287.19		L <u>.</u>			7:	Ĺ

* Boeing Section Stations (See Missile Station Diagram)
2-5550-0-58

CICATORNOS VOL NO D2-13946-5
SEC. PAGE 13

3.1		MISSILE NO. 695 WEIGHT AND BALAR	ICE SUMM				r no.			
E	• 1	MAJOR COMPONENTS		EXPENDED		DATE CENTE	R OF GRA	VITY		RTIA T2x10-3
LINE	SEC	DESCRIPTION	DATA	WEIGHT (LB)	WEIGHT (LB)	LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section	·							
5			Silo						<u> </u>	
	112	G&C Section	Aero		1.02	80.94	100.00	100.00	0	.0
8	175.	GOO DECLION	Silo		1.02	00.57	100.00	100.00	<u>~</u> -	<u>v</u>
9			Aero							
	44	3rd Stage Engine	No. O		18.60	97 • 33	106.53	111.49	. 0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
J.S.			∴ Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131:00	100.00	100.00	0	. 0
	45			L	120.23	59,96	100.23	101.42	.010	.006
1.5		(Fwd)	Silo							
16 17			Aero Base	2.81		57.33	107.51	108.65	0	0
18			 ∴ Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base			17.00				
21			- Jett	87.59		61.93	99.10	100.57	.008	.005
22	45	Interstago 2-3			64.10	60.64	99.30	101.39	.006	.003
23		(Aft)	Silo	1.18	-	80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	. 0	• 0
25	40	2nd Stage Engine			32.49	145.60	105.90	110.26	.001	.018
26. 27.			_Silo_	.63		99.62 99.62	112.30	121.20	Ŏ.	0
28			Aero Baso	1.80		1.89.25	112.30	121.20	0	0
	47	Interstage 12		1.00	245.05	67.53	99.59	101.55	.032	0
30		(Fwd)	Silo		5-4-7 - 7 - 12 · 1	01.23	220-22	1011	•U3E	1055
31.		,	Aero				•	•		, ,
32			Base	3.10		64.06	112.35	115.53	0	0
33	<u> </u>	<u>'</u>	- Silo	4.21		66.61	100.32	100.55	,001	0
34	ļ	Jettisoned	_Aero_	7.56	-	66.87	100.10	100.17	.001	:001
35. 36.		Portion	Base .	5.40	······································	67.09	100.27	100.76	.001	0
30 37	47	Interstage 1-2	- Jett	200.28	130.20	69.06 96.61	98.70	100.99	.028	.018
38		(Aft)	Silo	3.37	1.70.20	96.69	100.76 100.34	99.76 100.59	.024	.014
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	lot Stage Engine			63,53		7,10.25	117.39	.004	.115
41_			Silo	2.89		190.41	111.84	120.45	0	. 004
42	<u> </u>		Aero	1.04		136.60	117.20	129.70	0	.001
43	1.0	m . / . l	Base	4.80		309.40	100.00	100.00	Ö,	0
	149	Skirt	643 -	100 000	267.02	. 68.43		101.06	.064	.039
45 46	 		Silo	17.57		68.02	100.35	100.60	.004	.002
47			Aero Base	3.33		67.80 69.10	100.64	101.12	.001	006
48	-	MISSILE	nane_		962.24	03-10	707.10	20c4- 10	1009	.006
49			Silo	32.20	7.5.6.6					
50			Aero	21.25						
51_			Bage	58.71						· · · · · · · · · · · · · · · · · · ·
52			Jett	287.87						

* Boeing Section Stations (See Missile Station Diagram)
2-5550-0.58 | NO. D2-13946-5 | SEC. | PAGE 14

3.		MISSILE NO. 697 WEIGHT AND BALAN MAJOR COMPONENTS				REPORT DATE	r no.	or and or an		
LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT	TOTAL WEIGHT	., ., .,	R OF GRA	1	SLUG F	RTIA 12×10-3
<u> </u>	ļ			(LB)	(LB)	LONG.*	LAT.	VERT.	ROLL	PITCH
<u>]</u>	41	RV Spacer		ļ			·			
_2.	-		<u>Silo</u>	<u> </u>						
<u>3</u>	70	CTLI Section	Aero	 						
	29.	CILI Section	Silo							
5			Aero					·		
	1+2	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
	44	3rd Stage Engine			18.62	97.37	106.53	111.48	<u> </u>	.003
11	ļ		Silo	.43		94.95	110.30	117.70	<u> </u>	0
1.2			Aero	.80	<u></u>	94.95	110.30	117.70	<u> </u>	0
13	7.=	Interstage 2-3	Base	.20	270 50	131:00	100.00	100.00	.010	.006
1 <u>'+</u> 15	142	(Fwd)	Silo		119.72	59.90	100.17	101.77	•040	.000
16	-	\1 wa/	Aero	 						
17	-		Base	2.81		57.33	107.51	108.65	. 0	0
18		,	- Silo	1.92		61.11	101.01	101.74	0	0
19	• 1	Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
<u>21</u>			- Jett	87.03		61.86	98.97	100.74	.008	.005
22	45	Interstage 2-3			63.76	⁽¹ 0.c3	99.30	101.39	.006	.003
23 24		(Aft)	<u>Silo</u>	1.18	ļ	80.97	100.50	1.00.84	<u> </u>	- 0
	-	2 2 2 2	<u> Aero</u>	1.18		82.00	103.07	105.23	0	0
	40	2nd Stage Engine	0.12	 	35.80	145.57	105.93	110.32	.001	.018
26. 27.	├		_Silo_	.63 .53		99.62 99.62	112.30 112.30	121.20	0	0
28 28	 		Aero Basu	1.80	<u> </u>	1.89.25	100.00	100.00	0	. 0
	47	Interstage 1-2	DASU	1	244.95	67.43	99.55	101.63	:032	.055
30	1	(Fwd)	Silo	 	<u> </u>			1.02.100		• V <u>6-</u> 6-
31			Aero	 	· · · · · · · · · · · · · · · · · · ·		`			
32			Base	3.10		64.06	112.35	115.53	0	0
33		Г	- Silo	4.21		66.61	100.32	100.55	.001	. 0
34	<u> </u>	Jettisoned	_Aero_	7.56		66.87	100.10	100.17	.001	.001
35.		Portion	Base	5.40	ļ	67.09	100.27	100.76	.001	0
36	17		- Jett	200.18		68.94		101.09	.028	.018
37 38	12	Interstage 1-2 (Aft)	0:25	2 27 .	130.15	96.61	100.76		.024	.014
39	┼─	(AIC)	Silo - Acro	3.41		96.69 97.71	101.98	100.59	.001	0.0
		lst Stage Engine	ARREO .) • *+_I.	63.26		170.29	117.46	.004	.115
41	1		Silo	2.89	130617	190.41	111.84	120.45	0	00/
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	ō	0
	49	Skirt			350.65	69,31	100.82	101.29	.064	.039
45	 		Silo	17.57		68.02	100.35	1.00.60	.004	.002
46	 		_Aero_	3.33	-	67.80	100.64	101.12	.001	0
47	┼	UTOGTYD	Bane_	140.60		69.10	101.70	102.76	.009	.006
<u>48</u>		MISSILE		1 20 00	CS4.30	·				
49	-	•	Silo	32.20	 	ļ			·	
<u>50</u>	+		Aero	21.25			ļ			
51. 52	1-		Base Jett	287.26	 			 -		
15		Boeing Section St	,,		13 01	33.	!	<u> </u>		

* Boeing Section Stations (See Missile Station Diagram)
2-5550-0-58

**Boeing Section Stations (See Missile Station Diagram)
**Diagram | NO D2-13946-5 | SEC. | PAGE 15

3.		MISSILE NO. 700 WEIGHT AND PALAN	CE SUMM	ARY			. NO.	، بداده کا خان وسنجان است. میش	ر ماروندون دروندون الموادون والموادون والموادون والموادون والموادون والموادون والموادون والموادون والموادون والم	
		MAJOR COMPONENTS	s/n o	00021.5		DATE	tings	COUNTY CONTRACTOR	TAI U	RTIA
LINE	8	DESCRIPTION	DATA	EXPENDED WEIGHT	TOTAL WEIGHT	CENTER	OF GRAI	/ ITY		r2x10-3
171	S	DESCRIPTION	i/ALA	(LB)	(LB)	LONG.*	LAT.	VERT.	ROLL	PITCH
7	41	RV Spacer								
_2			Silo							
_3			Aero							
14	39	CTLI Section		ļ						
5			Silo							
	1. ~	G&C Section			1.02	80.94	100.00	100.00	0	0
7 8	142	GEC Section	Silo		1.02		200.00	2,00.00		
10			Aero							
-	44.	3rd Stage Engine	AGT O	<u> </u>	18.62	97.37	106.53	111.48	0	.003
11	<u> </u>	71 4 2 64 4 4 4 4 4 4 4	Silo	.43		94.95	110.30	117.70	0 .	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131:00	100.00	100.00	0	0
14	45	Interstage 2-3			11.9.63	59.80	100.27	101.48	.010	.006
15		(Fwd)	Silo	<u> </u>						ļ
16	<u> </u>		Aero							,
17			Base	2.81		57.33	107.51	108.65	<u> </u>	. 0
18			- Silo	1.92		61.11	101.01	101.74	0 .	0
ود	 		<u>Aero</u>	3.40		61.59	100.27	100.47	0	0
20	 	Portion	Base	02.00		(1.50	00.75	100.65	.008	.005
21	1-	~	- Jett	86.99	(2 F2)	61.72 80.64	99.15		.006	.003
	45		047-	1.18	63.70	80.97	99.30 100.50	101.39 100.84	,	0
23	┼─	(Aft)	<u> 5110</u>	1.18		82.00	103.07	105.23	0	· O.
25		2nd Stage Engine	Aero	10	32.45	145.54	105.90	110.27	.001	.018
26		CUO 2 CARG THE TITE	Silo	.63	36.47	99.62	112.30	121.20	0	0
27		,	Acro	•53		99.62	112.30	121.20	Ŏ	Ö
28	1		Baso	1.80		1.89.25	100.00	100.00	0	0
29	47	Interstage 1-2		1	244.54	67.62	99.58	101.47	.,032	.022
30	7-/-	(Fwd)	·Silo					1.		
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0;
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned d	Aero	7.56	ļ	66.87	100.10	100.17	.001	1001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
130	1		Jett	199.77	700.07	69.18	98.69	100.89	.028	.018
36 37 38	42		.,	2 27	129.91	95.67.	100.76		.024	.014
39	+	(Aft)	Silo	3.41 3.41	 	96.69	100.34	100.59	.001	0
		lot Stage Engine	Aero	 	63.53				.001	.115
177		Tago o conto minime	Silo	2.89	93:23	190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60		129.70	0	.001
43			Base	4.80		309.40		100.00	.0	0
		Skirt	· · · · · · · · · · · · · · · · · · ·	1	288.47	68.54			.064	.039
45			Silo	17.57	L	68.02		100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
42	1	<u> </u>	Base	140.60		69.70	101.70	102.76	.009	.006
1.8		MISSILE	[<u> </u>	951.87					
49		·	Silo	32.20		<u> </u>		ļ	,	ļ
5Ω			Aero	21.25	<u> </u>	<u> </u>	<u> </u>			
51			Вале	58.71				ļ		<u> </u>
52		Boeing Section St	Jett	<u> 286.76</u>			l	<u> </u>	**	!

* Bocing Section Stations (See Missile Station Diagram)
2-5550-0-58

ENGREDICE | VOL | NO D2-13946-5

3.7	7	MISSILE NO. 702 WEIGHT AND BALAI MAJOR COMPONENTS		ARY 000209	,	REPORT DATE	r no.			
LINE	53	DESCRIPTION	DATA	EXPENDED WEIGHT	TOTAL WEIGHT	CENTE	R OF GRA	VITY	INE	RTIA T2x10-3
1-1	103			(LB)	(LB)	LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								<u> </u>
12	├		Silo						·	ļ
3	70	Come T. C	Aero							
5	159	CTLI Section	Silo							
6	-		Aero A							
	11.2	G&C Section	46.0	 	1.02	80.94	100.00	100.00	0	.0
8		79,50	Silo							
9			Aero							
10	44	3rd Stage Engine			18.61	97.35	106.53	111.49	0	.003
77	<u> </u>		Silo	.43		94.95	110.30	117.70	0	0
12	_		Aero	.80		94.95	110.30	117.70	0	0
13	h-	-	Base	.20		131:00	100.00	100.00	0	· 0
	145	Interstage 2-3	6.7.7		120.08	<u>59.83</u>	100.32	101.43	.03.0	.006
15	-	(Fwd)	Silo	ļ						
16 17	-		Aero Base	2.81		57.33	107.51	108.65	0	0
18	 		: Silo	1.92		61.11	101.01	101.74	0 .	. 0
19	一.	Jettisoned	. Aero	3.40		61.59	100.27	100.47	0	. 0
20	1	Portion	Base	3.70		V.L. • 22	100.21	100,		<u>-</u>
21		L	- Jett	87.44		61.75	99.22	100.59	.008	.005
	45	Interstage 2-3			64.00	80.64	99.30	101.39	.006	.003
23		(Aft)	Silo	1.18		80.97	100.50	100.84	0	. 0
54			Aero	1.18		82.00	103.07	105.23	Ō.	. 0
25	46	2nd Stage Engine			32.39	145.45	105.91	110.29	.00J	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27	├	· · · · · · · · · · · · · · · · · · ·	Acro	.53		99.62	112.30	121.20	0	0
28	1.0	~	Base	1.80		189.25	100.00	100.00	0	0
	47	Interstage 1-2	~~~		244.10	67.70	99.38	101.55	.032	.022
30 31	-	(Fwd)	Silo	ļi				-	 - 	
32	 		Aero Base	2.70		(), 0(770 07			
33	 		Silo	3.10 4.21		64.06 66.61	112.35	115.53	0	0.
34	-	Jettisoned	Aero	7.56		66.87	100.32 100.10	100.55	.001	.001
35.		Portion	Base	5.40		67.09	100.27	100.76	.001	. 0
36			Jett	199.5		69.28	98.44	100.98	.028	.018
32	42	Interstage 1-2			129,65	96.61	100.76	99.76	.024	014
38	 	(Aft)	Silo	3.37		96.69	100.34	100.59	.001	0
39	1,0	7.4.64 77	:: Acro	3.41		97.71	101.98	103.41	.00]	Q
40	140	let Stage Engine	. 643		63.22	223.81	110.30	117.47	·001	.115
42	1		Silo	2.89		190.41	111.84	120.45	0	.004
43	1-		Aero Base	1.04		136.60	117.20	129.70	0	.001
	40	Skirt	ಬಜರಿಕ	4.00	288.42	309.40	100.00	100.00	0	0
45	1		Silo	17.57	200.42	68.37 68.02	100.70 100.35	101.08 100.60	.064	.039
46			Aero	3.33		67.80	100.35	101.12	.004 .001	.002
42			Вале	110.60		69.10	101.70	102.76	.009	.006
48		MISSILE			967.49					
49	<u> </u>	,	Silo	32.20				· · · · · ·		
50			Aero	21.25						
51_	 		Ваве	58.71						
52	<u></u>	;	Jett	286.77				,		

* Boeing Section Stations (See Missile Station Diagram)
2-5550-0-58

**Rocing Section Stations (See Missile Station Diagram)
**Rocing Section Station Diagram (See Missile Station Diagram (See

ł

3.		MISSILE NO. 704 WEIGHT AND EALAN MAJOR COMPONENTS	ICE SUMM	ARY	,	REPOR'	r no.			
LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT	TOTAL WEIGHT		r of gra	Alla.	INE	RTIA T2x10-3
	L			(LB)	(LB)	LONG.*	LAT.	VERT.	ROLL	PITCH
<u> </u>	41	RV Spacer						ļ	ļ	ļ
3			Silo					ļ	<u> </u>	ļ
4	39	CTLI Section	Aero						ļ	
	22	OTHY SECTION	Silo		· · · · · · · · · · · · · · · · · · ·			· · · · · · · · · · · · · · · · · · ·	ļ	
5			Aero			 		·	\	
2	42	G&C Section	<u>αει Ω</u>		1.02	80.94	100.00	100.00	0	D
8			Silo							
9			Aero							·
10	44	3rd Stage Engine		Í	18.54	97.21	106.55	111.53	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
25			Aero	.80		.94.95	110.30	117.70	0	0
13			Base	.20		131:00	100.00	100.00	. 0	. 0
	45				120.14	59.94	100.24	101.48	.010	.006
15		(Fwd)	Silo							
16			Aero	L					·	
17			Base	2.81		57.33	107.51	108.65	0	0
18				1.92		61.11	101.01	101.74	0	0
19		Jettisoned	<u>. Aero</u>	3.40		61.59	100.27	100.47	. 0	0
21 20	-	Portion	Base	07 50		(- 00		222 (1)	000	
	1, =	Interstage 2-3	- Jett	87.50	(), a);	61.90	99.11	100.64	.008	.005
23	7)	(Aft)	Silo	1.18	64.04	<u> </u>	99.30	101.39	.006	.003
24			Aero	1.18		80.97 82.00	100.50 103.07	100.84 105.23	0	<u> </u>
	46	2nd Stage Engine	<u> vero</u>	7:.0	32.63	145.87	105.86	110.20		.018
26	يديا	1.21 V 20 V 2.11 V 2.11 V	Silo	.63	. 32.00	99.62	112.30	121.20	.001	0.010
27			hero	.53		99.62	112.30	121.20	Ö	0
28			Base	1.80		1.89.25	100.00	100.00	0	0
	47	Interstage 1-2			242.34	67.53	99.33	101.57	.032	,022
30		(Fwd)	Silo						• • • • • • • • • • • • • • • • • • • •	• \(\mathcal{G} \) (5-6-
37			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			- Silo	4.21		66.61	100.32	100.55	.001	0
34_		Jettlsoned	_Aero_	7.56		66.87	100.10	100.17	.001	.001
35_		Portion	_Base_	5.40		67.09	100.27	100.76	.001	0
36	100	7-1	- Jett	1.97 - 57		69.08	98.37	101.00	.028	.018
32_	17/	Interstage 1-2 (Aft)	Silo	2 27	128.61	95.61	100.76	99,76	.024	07,4
39	i –	(RIC)		3.37 3.41		96.69	100.34	100.59	.001	0
40	48	lst Stage Engine	Aero	7.41	63.64	97.71 224.14	101.98	103.41 117.36	.001	
41			Silo	2.89	<u> 03.09</u>	190.41	111.84	120.45	.004	.115
42			Aero	1.04		136.60	117.20	129.70	0	.004
43			Base	4.80	·	309.40	100.00	100.00	0	0
44	49	Skirt			286.97	68.55	100.00	101.10	.064	.039
45 46			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33 40.60		67.80	100.64	101.12	.001	0
47 48			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE .			957.98					
49	<u>.</u>	<u>'</u>	Silo	32.20						
50 51			Aero	21.25	·					
51			Base	58.71						
52		oeing Section St	Jett	285.07	l					

* Boeing Section Stations (See Missile Station Diagram)
2-5550-0-58

**Boeing Section Stations (See Missile Station Diagram)
**Does No. D2-139

sac.

PAGE 18

-

3.	9	W	issile no. 706 eight and ealan		ARY 000232		REPORT DATE				
22 E	5	7	AJOR COMPONENTS		EXPENDED	TOTAL		OF GRAV	ITY	INEF	
Litric	SES	1	DESCRIPTION	DATA	WEIGHT (LB)	WEIGHT L	LONG.*	LAT.	VERT.	ROLL	PITCH
-	147	1	V Spacer		,						
5		"	., 2,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Silo							
د د د در		+		Aero							
4	39		TLI Section								
5			`	Silo							
6				Aero					700 00		· 0
7	142	2[0	%C Section			1.02	80.94	100.00	1.00.00	0	
8				<u>Silo</u>							
9	L			Aero					777 10		.003
O	141	<u> </u>	ord Stage Engine			18.60	97.33	106.53	13.7.70		.003
Ll,	_	4		Silo	.43		94.95	110.30	117.70	0	· 0
۱2.	1_	4	<u> </u>	<u>Aero</u>	.80	 	94.95	110.30	117.70	0	, 0
13		4		Ease	.20	119.66	131:00 59.87	100.00	101.48	.01.0	.005
14	145	2	Interstage 2-3	Silo	·	1773.00	77.01	1.000			
1.5	┼	+	(Fwd)	Aero		 					.1
16	+	+		Bass	2.81		57 - 33	107.51	108.65	0	. 0 ,
12 18	╂	+		: Silo	1.92		61.11	101.01	101.74	0	0
7. 7.0	-	-	Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20	╁╌	+	Portion	Base	1						
20. 21	╁ー		10,010,	- Jett	87.02		61.81	99.27.	100.65	.008	.005
55 57	14	51	Interstage 2-3			63.72	En.64	99.30	1.01.39	.006	.003
23	7	4	(Ait)	Silo	1.18		En.97	100.50	100.84	0	0
2/1	<u> </u>	7		Aero	1.18		82.00	103.07	105.23	0	0
25	14	6	2nd Stage Engine			32.50	145.61	105.89	110.25	.001	.018
26				Silo	.63		99.62	112.30	121.20		0,
27				Aero	.53		99.62	112.30	121.20	0	0,
28				Dago	1.80		189.25	100.00	100.00	0	0,
29	14	2	Interstage 1-2			241.83	67.46	99.54	101.53	.032	-055
30		_	(Fwd)	Silo	<u> </u>		<u> </u>	<u> </u>	ļ	<u> </u>	
31		_		Aero		ļ		ļ	ļ	ļ <u>.</u>	
32		_		Base	3.10	 	614.06	112.35	115.53	0	0
33				- Silo	4.21		66.61	100.32	100.55	-001	0,
39			Jettisoned \	_Aero_	7.56		66.87	100.10		100	001
35			Portion	Bace	5.40		67.09 69.00	98.63	100.76	.001	.018
30		-	Interstage 1-2	- Jett	1.97.05	1.28.32	95.61			024	.014
32 38	1	-4	(Aft)	Silo	3.37	<u> </u>	96.69	100.34		.001	0
20 39				Aero	3.41	 	97.71	101.98		.001	Ω
		8	let Stage Engine		1	63.65				.004	.115
4)				Silo	2.89		190.41			0	.004
4				Aero	1.04		136.60	117.20		0	.001
4:	2			Base	4.80		309.40	100.00	100.00	0	0
41	+ 4	9	Skirt '			287.82	68.60			.064	.039
140	i.L			Silo	17.57		68.02			.004	.002
46	L			Aero	3.33		67.80		101.12	.001	004
ينا				Base	.40.60		69.10	101.70	102.76	.009	.006
45			MISSILE	 	1-2-	957.12	· 		 	-	
40				Silo	32.20	-	 	 	 	 	
X				Aero	21.25	 	-	 	ļ		
5)				Base	58.71			 	 	 	
5:	: 1		•	Jett	284.08	adla Sta	<u> </u>	J		<u> </u>	

* Bocing Section Stations (See Missile Station Diagram)
2-5550-0-58

| MO D2-13946-5 | SEC. | PAGE 19

ı		MISSILE NO. 707 WEIGHT AND BALAN	ICE SUMM	ARY			r no.	ومرداها فلايا فيهيه والمراسية والمراسية والمراسية	······································	i Jagorini de servicio de la construcción de la con
		MAJOR COMPONENTS	SS/N O	000210		DATE			demander og eg at de annoces	
LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT	TOTAL WEIGHT	CENTE	R OF GRA	VITY		RTIA T2x10-3
·				(LB)	(LB)	LONG.*	LAT.	VERT.	ROLL	PITCH
-	41.	RV Spacer		<u> </u>	· · · · · · · · · · · · · · · · · · ·					<u> </u>
2			Silo							
3		Omy 'F o	. Aero						ļ	
4	22	CTLI Section	~						<u> </u>	ļ
5			Silo					 		
		G&C Section	<u>Aero</u>	 	1.02	80.94	100.00	100.00	0	0
8		NEO DECCION	Silo		<u> </u>		100:00	200.00	<u>-</u>	<u>-</u>
9	T		Aero	 		,		l		i
	44	3rd Stage Engine	ACLO		18.61	97.35	106.53	111.49	0	.003
11		,	Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		914.95	110.30	117.70	0	. 0
13			Base	.20		131:00	100.00	100.00	0	0
	+5	Interstage 2-3			119.39	59.87	100.27	101.47	.01.0	.006
15		(Fwd)	Silo							
16			Aero							\ . \ \ .
17		·····	Base	2.81		57.33	107.51	108.65	0	0
18			- Silo	1.92		61.11	101.01	101.74	0	. 0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20	\dashv	Portion	Base	06.55		(7. 00	00.70	7.00 (1)		
21 22 L	, =	Interstage 2-3	- Jett	86.75	75.5	61.82	99.13	100.64	.008	.005
23	-21	(Aft)	Silo	7 70	63.54	80.64	99.30	101.39	.006	.003
24		18167	Aero	1.18		80.97 82.00	100.50 103.07	100.84	0	0
	46	2nd Stage Engine	Aero	1.0.10	20.52	145.65		105.23		1
26	يكد	THE THE PARTY OF T	Silo	.63	32.53	99.62	105.89 112.30	110.24	.001	.018
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		1.89.25	100.00	100.00	0	0
	+7	Interstage 1-2			243.82	67.52	99.61	101.58	032	.028
30		(Fwd)	Silo			<u> </u>		205.70		• 068
37			Loro					::		:
32 33		·	Base	3.10		64.06	112.35	115.53	0	0.
33		Г	- Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	_Aero_	7.56		66.87	100.10	100.17	.001	.001
35		Portion	_Base_	5.40	· · · · · ·	67.09	100.27	100.76	001	0
36			- Jett	199.05		69.06	98.72	101.02	.028	.018
38	47	Interstage 1-2		 	129.48	96.61	100.76	99.76	.024	.014
20 39		(Aft)	Silo	3.37 3.41		96.69	100.34	100.59	.001	0
40 1	48	lot Stage Engine	; Aero	1-3.41	62.62	97.71	101.98	103.41	.001	<u> </u>
41	ابز	TOCOLOGIO DIRILO	Silo	2.89	63.60	224.38	11.0.24	117.37	.004	.115
42	-		Aero	1.04		190.41	111.84	120.45	0	-004
43			Base	4.80		136.60 309.40	117.20	129.70	0	.001
	19	Skirt	0.50	7.00	289.47	68.57	100.00	100.00	.064	0.20
45			Silo	17.57	E07.4(68.02	100.89	100.98 100.60	.004	.039
46			Aero	3.33		67.80	100.64	101.12	.004	.002
42	\Box		Base	1+0.60		69.10	101.70	102.76	.001	0 006
48		MISSILE			961.46					
49			Silo	32.20				* * * * * * * * * * * * * * * * * * * *		,
50			_Aero	21.25						
51			Base	58.71				-		
52			Jett	285.80					€2	

* Bocing Section Stations (See Missile Station Diagram)
2-5550-0-53

**ROTEMACE VOL. NO D2-13946-5

SEC. PAGE 20

3.3		MISSILE NO. 709 WEIGHT AND PALAN				REPORT DATE	NO.			
題	· ·	MAJOR COMPONENTS		EXPENDED	TOTAL		OF GRAV	/ITY	INEF	
LINE	SES	DESCRIPTION	DATA	WEIGHT (LB)	WEIGHT LB)	LONG.*	LAT.	VERT.	KOLL	PITCH
1.	41	RV Spacer								
_2			Silo							
3			Aero							
L	39	CTLI Section					·			
5_6			Silo							
	12	Cad Section	Aero		1.02	80.94	100.00	100.00	0	0
8	76.	1 2000 0100 01011	Silo							
9			Aero							
	44	3rd Stage Engine			18.54	97.21	106.55	111.53	Q	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			: Aero	.80		94.95	110.30	117.70	0	0
13	<u></u>		Base	.20		131:00	100.00	100.00	0	006
14	45			ļ	219.15	59.86	100.18	10750	.01.0	.006
15	-	(Fwd)	Silo Aero	 	 					· · · · · · ·
16 17	+-		Base	2.81		57.33	107.51	108.65	. 0	0
18	 		Silo	1.92		61.11	101.01	101.74	0	, 0
19	1	Jettisoned	. Aero	3.40		61.59	100.27	100.47	0	. 0
20		Portion	Base							
51		L	- Jett	86.51		61.81	99.00	100.67	.008	.005
22	45	Interstage 2-3			63.38	80.64	99,30	101.39	.006	.003
23	╄-	(Aft)	<u>Silo</u>	1.18		80.97	100.50	100.84	0	<u> </u>
24			_Aero_	1.18	20 50	82.00	103.07	105.23	0	.018
25	1475	2nd Stage Engine	Silo	.63	32.52	145.64 99.62	105.89 112.30	110.25	.001	0.010
27	-	 	Aero	.53	 	99.62	112.30	121.20	0	0
28	1		Baco Baco	1.80	<u> </u>	189.25	100.00	100.00	0	, 0
29	47	Interstage 1-2			243.28		99.53	101.53	032	.022
30		(Fwd)	·Silo				,	r (
31	ļ		Aero							
32	.	<u> </u>	- Base	3.10	ļ	64.06	112.35	115.53	0	0
33		ļ	- S1Jo	4.27	 	66.61	100.32	100.55	.001	0
34		Jettisoned	_Aero_	7.56 5.40		66.87	100.10	100.17	.001	001_
35. 36		Portion	Base Jett	1.98.51.	 	69.03			.028	.018
32		Interstage 1-2			129.17		100.75		.024	.014
38	I	(Aft)	Silo	3.37	1	96.69	100.34	100.59	.001	. 0
39			Aero	3.4]		97.71	101.98	103.41	.001	0
F		lot Stage Engine			63.94				.004	.115
41		 	Silo	2.89	 	190.41	111.84	120.45	0	·00/r
42		+	Aero	1.04	ļ	136.60	117.20	129.70	0	-001
43		Skirt	Base	4.80	289.17	309.40	100.00	100.00) 0 .064	0
45		DKTI.C	Silo	17.57	502.71	68.02	100.35	100.60	.004	.039
46			Aero	3.33	 	67.80	100.64	101.12	.001	0
42			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			960.17					
49		,	Silo	32.20						
50		-	Aero	21.25						
51			Base	58.71		ļ			\	
52		Boging Section St	Jett	285.02		1	<u> </u>	<u> </u>	42	<u> </u>

* Bocing Section Stations (See Missile Station Diagram)
2-5550-0-58

RODING

VOL | NO D2-13946-5 |
SEC. | PAGE CI

3.	12	MISSILE NO.711 WEIGHT AND BALA	NCE SUM	iary		repor'	r no.			
		MAJOR COMPONENTS				DATE				
LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT	TOTAL WEIGHT	CENTE	R OF GRA		INE	RTIA T2x10-3
	Ļ		·	(LB)	(LB)	LONG.*	LAT'.	VERT.	ROLL	PITCH
1	14]	RV Spacer		 					ļ	ļ
<u>2</u> 3			Silo	 					 	<u> </u>
-2 4	39	CTLI Section	Aero	 					<u>}·</u>	
	12	OTHI PACTION	Silo	 						
5		:	Aero						 	
	4.2	G&C Section			1.02	80.94	100.00	1.00.00	0	0
8			Silo							
9			Aero							}
	44	3rd Stage Engine			18.60	97.33	106.53	111.49	0	.003.
11			Silo	.43		94.95	110.30	117.70	, 0	0
75			· Aero	.80	ļ 	94.95	110.30	117.70	0	0
13	16	Interstage 2-3	Base	.20	119.12	131:00 59.76	100.00	100.00	0	0
15	72	(Fwd)	Silo	 	7777	27.10	100.25	TOT-40	.010	.005
16	1	_\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Aero						<u> </u>	
17			Base	2.81		57.33	107.51	108.65	0	. 0
18		5	Silo	1.92		61.11	101.01	101.74	0	. 0
19		Jettisoned	. Aero	3.40	,	61.59	.100.27	100.47	0	0
20		Portion	Base							1
21		L	- Jett	86.48		6368	99.11	100.65	.008	.005
	45	Interstage 2-3			63,36	46.03	99.30	1.01.39	.006	.003
23_		(Aft)	Silo	1.18		80.97	100.50	100.84	<u> </u>	. 0
24	1.0	2.161	Aero	1.18		82.00	103.07	105.23	0 .	, 0
25. 26.	40	2nd Stage Engine	Silo	(0)	32.56	145.70	105.88	110.23	.001	.018
	-			.63 .53		99.62 99.62	112.30	121.20	<u> </u>	0
27 28	_		Aero Base	1.80		189.25	112.30	121.20	0	0
	1+7	Interstage 1-2	Dued		S#3.00	67.54	99.74	100.00	0	0
30		(Fwd)	Silo		- GT 201/11/	01.5-	99.14	-101.50	.032	.022
31.			Aero				•		 	
32			Base	3.10		64.06	112.35	115.53	0	0
33_			Silo	4.21		66.61	100.32	100.55	.001	Ö
34		Jettisoned_{	. Aero	7.56		66.87	100.10	100.17	.001	.001
35. ~(Portion	_Base_	5.40		67.09	100.27	100.76	.001	. 0
36. 37.	47	Interstage 1-2	Jett	198.23	700 00	69.03	98.88	7.00.99	.028	.018
27 38		(Aft)	Silo	3 27	129.00	96,67	700.76	200.50	.024	.014
39		7.7.2.7	Aero	3.37 3.41		96.69 97.71	100.34	100.59	.001	
	48	let Stage Engine	- Aut V	1.71	63.51	224.25	110.25	103.41	.001	<u>ე</u> .115
41			Silo	2.89		1.90.41	111.84	120.45	0	.004
42			Aero	1.04	·····	136.60	117.20	129.70	0	.004
43			Base	4.80		309.40	100.00	100.00	0	0
	49	Skirt .			290.47	68.4a.	100.74	101.00	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46 47			Aero	3.33		67.80	100.64	101.12	.001	. 0
47 48		MISSILE	Base	40.60	060. ()	69.10	101.70	102.76	009	.006
49		THEOTHE	. 641~	32.20	950.64			· · · · · · · · ·		
50 50	<u> </u>		Silo Aero	21.25					<u> </u>	
51.			· Base	58.71				!		
52			Jett	234.71						
	1/ 35	oming Section St		(Soc 155 ca	*10 Chah					

* Boeing Section Stations (See Missile Station Diagram)
2-5550-0-58

| NO. D2-13946-5 | SEC. | PAGE 22

3.:		MISSILE NO. 712 WEIGHT AND BALAR	ICE SUM				P NO.	ما در این از این		
띘	1 .7	MAJOR COMPONENTS		EXPENDED		DATE CENTE	R OF GRA	VITY	INE	RTIA T2x10-3
LIE	SEC	DESCRIPTION	DATA	WEIGHT (LB)	WEIGHT (LB)	LONG.*	LAT.	VERT.	ROLL	PITCH
7	41.	RV Spacer								
_2			Silo							<u> </u>
_2	70	omr r o	Aero	<u> </u>						
4	29	CTLI Section								ļ
5 6			Silo Aero							
	1,2	G&C Section	0610		1.02	80.94	100.00	100.00	0_	. 0
8			Silo	1						
2			Aero							
	44	3rd Stage Engine			18.70	97.52	106.50	111.43	0	.003
11			Silo	.43		94.95	110.30	117.70	00	0
12			Aero	.80		914.95	110.30	117.70	0	0
13	145	Interstage 2-3	Bare	.20	119.63	131:00 59.82	100.00	100.00	.010	.006
15	72	(Fwd)	Silo	\	777.7.07	23.02	100-13	<u> 1.U.I. • D.I.</u>	• 777	1 .000
16	-	12 7447	Aero							
17			Base	2.81		57.33	107.51	108.65	, 0	0
18.			- Silo	1.92		61.11	101.01	101.74	0	. 0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20	_	Portion	Base							
21		h	- Jett	86.99		61.75	98.98	100.68	.008	.005
	45	Interstage 2-3	~	 	63.70	£5.64	99.30	101.39	.006	.003
23 24	-	(Aft)	<u> </u>	1.18		80.97	100.50 103.07	100.84	0	0
	46	2nd Stage Engine	Aero	1 20	32.44	82.00 145.52	105.90	105.23	.001	1018
26		Little Deage mix me	Silo	.63	<u> </u>	_ 99.62	112.30	121.20	0	0.010
27			Acro	.53		99.62	112.30	121.20	. 0	Q:
28			Base	1.80		1.89.25	100.00	100.00	0	Ŏ\!
	47	Interstage 1-2	, , , , , , , , , , , , , , , , , , ,		243.12	67.57	99.48	101.45	032_	.022
30	<u> </u>	(Fwd)	Silo						•	
27	 		Aero	ļ					<u> </u>	1
32	 		Base	3.10		64.06	112,35	115.53		0.
33 34	-	Jettisoned	- Silo	4.21 7.56		66.61 66.87	100.32	100.55	.001	0
35.	 	Portion	Aero Base	5.40		67.09	100.10	100.17	.001	1001
36			nase _ Jett	158.35		69.12	98.56	100.76	.001 .02ರ	.018
37	47	Interstage 1-2			129.08	96.61	100.75	99.76	.024	.014
38 39		(Aft)	Silo	3.37 3.41		96.69	100.34	100.59	.001	0
39	-		Acro	3.41		97,71	101.98	103.41	.003.	Q
	48	lot Stage Engine		 	62,96	223.42	110.34	117.54	.004	.115
41 42		 	Silo	2.89		190.41	111.84	.120.45	0	.004
43			Aero	1.04		136.60	117.20	129.70	0	.001
	40	Skirt	Base	4.80	200 00	309.40	100.00	100.00	0	0 0 0 0 0
45	1-2		Silo	17.57	290.82	68.40 68.02	110.87	101.05	.064 .004	.039
46			Aero	3.33		67.80	100.55	101.12	.004	.002
42 48			Bace	140.60		69.10	101.70	102.76	.009	.006
48	ļ	MISSILE			961,47					
49	\ <u>`</u>		Silo	32.20						
50			Aero	21.25			,			
50 51 52	}		Ense	58.71						
	ــــــــــــــــــــــــــــــــــــــ	Roeing Section St	Jett	285.34		L				L

* Boeing Section Stations (See Missile Station Diagram)
2-5550-0-58

** Boeing Section Stations (See Missile Station Diagram)
** Boeing Section Station Station Diagram (See Missile Station Diagram)
** Boeing Section Station Station Diagram (See Missile Station Diagram)
** Boeing Section Station Station Diagram (See Missile Station Diagram)
** Boeing Section Station Station Diagram (See Missile Station Diagram)
** Boeing Section Station Station Diagram (See Missile Station Diagram)
** Boeing Section Station Station Diagram (See Missile Station Diagram)
** Boeing Section Station Station Diagram (See Missile Station Diagram)
** Boeing Section Station Diagram (See Missile Station Diagram)
** Boeing Section Station Station Diagram (See Missile Station Diagram)
** Boeing Section Station Station Diagram (See Missile Station Diagram)
** Boeing Section Station Station Diagram (See Missile Station Diagram)
** Boeing Section Station Station Diagram (See Missile Station Diagram (See Missile Station Diagram (See Missile Station Diagram (See Missile Station Diagram (See Miss

ن ز		MESSILE NO. 714; WETCHT AND BALAN MAJOR COMPONENTS				REPORT DATE	NO.	والمراجعة الأمرون المرجعة المرون عرود	: .	
A		DESCRIPTION	DATA	EXPENDED WEIGHT	TOTAL WEIGHT		OF GRAV	ITY	INER SLUG FI	
⊬4 	(1) (1)	DESCRIPTION	DATA	(LB)	(LB)	LONG .*	LAT.	VERT.	ROLL	PITCH
	1:]	RV Spacer								
_2,			Silo							
. 3			Aero							
_::	2.0	CTGI Section								
- ', '			<u>Silo</u>	 						
- '		Contract	<u>Aero</u>		1.02	80.94	100.00	100.00	0	O.
-: 3		ung Soution	511 <u>0</u>		4.04		100.00	1.00.00		
$\frac{P}{\rho_0}$	-	or a soul for the control of the soul of t	Aero_							
10	1.4	3rd Stage Engine	MOLO	-	18.67	97.46	106.51	111,45	0_	.003
11		JAM SOMAN THAT	Silo	.43		94.95	110.30	117.70	0	<u> </u>
1.2.			Aero	.80		914.95	110.30	117.70	0	00
13.			ชีนฮ e	.20		131:00	100.00	100.00	0	0
ĽŁ.	155	Interstage 2-3			11.9.06	59.98	100.25	101.43	.010	<u> </u>
1,5,		(Fud)	Silo							
16			<u> </u>			1166 60	707 (7	108.65		
12_			<u> </u>	2.81		57.33 61.11	107.51	101.74	0	0
18.			<u>- 2210 </u>	1.92 3.40		63. 59	100.27	1.00.47	0	0
19		Jettisoned	<u>Aero</u> Base	3,4Q		01 59	100.21	1.00.41		
20 <u>.</u> 21		Portion	<u> </u>	85.42		61.93	99.1.1.	100.57	.008	.005
	1,5	Interstage 2-3	- 0866	UJ. S.	63.32	10.05	99.50	101.39	.006	.003
23.	1-1-4	(ACt)	51.10	1.18		80.97	100.50	100.81	0	C
24				1.18		82.00	103.07	105.23	0	0
<u>25</u> .	146	2nd Stage Dagine			53.58	155.53	205.83	310.03	.001	.010
26.			Silo	.63		99.62	112.30	121.20	0	0 ,
27.				.53		99.62	112.30	121.20	0	0
28	<u>.</u>			1.60		189.25		100.00	0	0
	1:2		-		1.48.47	67.55	90.25	101.50	030	031
30		(Find)	Silo			/				
31.	1		_Agro_							
52 33			_Bace_	3.30	ļ	64.06		115.53	0"	<u> </u>
		[- 5110	1.21	-	65.87	100.32			1.00
]]) 35	<u> </u>	Jotticoned Portion	_Aero_ _Bacc_	5,10	-	67.09		100.17	.003	0
תנג מנג			Jett	1308.70			05,50	101.03	.C:35	.013
37	147	Interstage 1-2	1		100.00				0.6	.014
38		(Aft)	Silo	3.37		96.69	100.34	100.59	.001.	0
<u> 29</u>			1 Aero	3.41		97.71	101.98	103.41	.00)	0
40		Jou Stand Engine		_	63.16	207,72	770.77	117.19	.004	.1.1.9
41	: -		Silo	2.89	-	190.41	111.84	120.45	0	<u>.co</u> :
412	<u>-</u>		Aero	1.04	-	136.60	117.20	129.70	0	.001
	4.	h Steel sate	Base	4.80	020.32	309.40 63.45	100.00		()	020
45		9 Skirt	Silo	17.57	289.17	68.63		101.14	400.	.039 .008
14.6	;		Acro	3.33	-	67.85			1001	0
	, -	1	Ruse	70.60	-	69.10	101.70	102.76	十二分分一	.006
	• 1	MISSELLE			959.73					
11-6			Silo	32.20						
	1		1272	21.25						
[5]	1		Bogo	58.71						
158			Jott	235.12	1	1			1)

* Boeing Section Stations (See Missile Station Diagram)
2-5550-0-58

** Boeing Section Stations (See Missile Station Diagram)

** NO D2-13946-5

SEC. PAGE 24

3.3	•	MISSILE NO. 716 WEIGHT AND PALAN				REPORT DATE	NO.			
		MAJOR COMPONENTS	s/n o	DOO219 EXPENDED	TOTAL		OF GRAV	TOTU	INEF	
LUE	SES	DESCRIPTION	DATA	WEIGHT	WEIGHT				SLUG FI	
i	L			(LB)	(LB)	LONG.*	LAT.	VERT.	ROLL	PITCH
].	41	RV Spacer								
_2			Silo		<u> </u>					
3			Aero							
4	139	CTLI Section			<u> </u>					
5			Silo							,
6	11.5	CoC Section	_Aero_	 	1.02	80.94	100.00	100.00	0	0
7 8	-	O rection	Silo		2.02					
-0.	 		Aero		[
ン 10	144	3rd Stage Engine	. AGIO		18.60	97.33	106.53	111.49	0	.003
11	 ' '	Ja d D cago Ding and	Silo	.43		94.95	110.30	117.70	0	00
12	1	ļ	Aero	.80		94.95	110.30	117.70	0	
<u>-</u> 13	1		Base	.20		131:00	100.00	100.00	0	0
14	45	Interstage 2-3			119.12	59.EL	100.28	101.46	.010	.006
15		(Fwd)	Silo	<u> </u>						
16			Aero	<u> </u>				700 75		
17			Basa	2.81		<u> 57.33</u>	107.51	108.65	<u>o</u>	
<u> 18</u>	<u> </u>	ļ	- Silo	1.92		61.11	101.01	101.74		0
19	ļ	Jettisoned	<u>Aero</u>	3.40		61.59	100.27	100.47	0	
20	-	Portion	<u>Base</u>	06 10	-	61.75	99.15	100.61	.008	.005
<u>21</u>	 		- Jett	86.48	63.36	85.64	99.30	101.39	.006	.003
22		Interstage 2-3	Silo	1.18	03.30	80.97	100.50	100.84	0	. 0
23 24		(Aft)		1.18	 	82.00	103.07	105.23	, 0	0
	7	2nd Stage Engine	Aero	1 2.10	32.49	145.60	105.50	110.26	.001	.018
25 26		Land o take pur min	Silo	.63	1 2-172	99.62	112.30	121.20	0	0
27		 	Aero	53		99.62	112.30	121.20	Ŏ	0
28 28			Base	1.80	·	1.89.25	100.00	100.00	0	0 %
	47	Interstage 1-2	<u></u>		243.79	67.69	99.54	101.56	.032	.022
<u>30</u>		(Fwd)	Silo	 	1		,			
<u> 31</u>	1	1	Aero							
32	Т		Base	3.10		64.06	.112.35	115.53	0	0
33		Г	- Silo	4.21		66.61	100.32	100.55	.001	.O.
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	001	-001
35		Portion	Ease	5.40	ļ	67.09	100.27	100.76	.001	0\
36			Jett	199.02		69.27	98.63	100.99	.020	.018
37	47			1 2 257	129.46				.024	.OI4
38 30		(Aft)	Silo	3.41	 	96.69			.001	0
39 40		lat Stage Engine	Aero	7-7-41	63:39				.004	.115
47		YOU DOWN THE	Silo	2.89	4 93.33	190.41			0'	.004
42		+	Aero	1.01	-	136.60		129.70	0	.001
47			Base	4.80	 	309.40		100.00	0	0
		Skirt	1	1	291.47			101.07	.064	.039
1, 0		~ 	Silo	17.57		68.02		100.60	.004	.002
46			Aero	3.33		67.80	1.00.64	101.12	.001	Q
4	7		Base	40.60		69.10		102.76	.009	.006
4	3	MISSILE	'		952.70		ļ			<u> </u>
40	2	,	Silo	32.20		<u> </u>		<u> </u>	<u> </u>	ļ
50			Aero	21.25						
5			Base	58.71	ļ	<u> </u>			ļ	
5	2		Jett	285.50		<u></u>	<u> </u>	<u> </u>		<u> </u>

* Bocing Section Stations (See Missile Station Diagram)
2-5550-0-58

| NO. D2-13946-5 | SEC. | PAGE 25

3.1		MISSILE NO. 718 WEIGHT AND BALAN			, ,	REPORT DATE	. NO.			<u>},</u>
લા		MAJOR COMPONENTS		EXPENDED			OF GRAV	ITY	INEI SLUG F	RTIA .
LINE	SEC	DESCRIPTION	DATA	WEIGHT (LB)	VEIGHT (LB)	LONG.*	LAT.	VERT.	ROLL	PITCH
		7715 0		(115)	(1/13)	TOMOT.	11111	V LIKE	2,01010	
ᆛ	41	RV Spacer								
2			Silo	<u> </u>						
4	70	CTLI Section	Aero		 					
	ובכ	CITIT DECETOIL	Silo						×	
5 6	-		Aero							
Ź	1,2	G&C Section	- DSiAS		1.02	80.94	100.00	100.00	0	0
8		TO THE PARTY OF TH	Silo							-
9		~	Aero			• .				
	44	3rd Stage Engine			18.67	97.46	106.51	111.45	0	-003
11			Silo	.43		94.95	110.30	117.70	0	0
12			: Aero	.80	<u> </u>	94.95	110.30	117.70		0
13			Base	.20_		131:00	100.00	100.00	0	0
	45		<u> </u>	ļ	11.9.18	59.69	100.27	101.78	.010	.006
15_		. (Fwd)	Silo	 	-					· · · · · · · · · · · · · · · · · · ·
16	<u> </u>		Aero	2.81		557 33	107.51	108.65	0	. 0
17			Base		ļ	57.33 61.11	101.01	101.74		. 0
<u> 18.</u>	ļ. 	<u> </u>	. Silo	1.92	ļ	61.59	100.27	100.47		. 0
19	 	Jett1soned	Aero	3.40		<u> </u>	100.5	100.71		
20		Portion	<u>: Base</u> - Jett	86.54		61.59	99.13	1.00.64	.008	.GO5
<u>21</u> 22	45	Interstage 2-3	- oett	1 00.	63.40	80.64	99.30	101.39	.006	.003
r.r. 23.	17/	(Aft)	Silo	1.18	010	80.97	100.50	1.00.84	0	/0 .
24	<u> </u>		Aero	1.18		82.00	103.07	105.23	Ŏ	. 0 *
25	46	2nd Stage Engine			32.67	145.86	105.86	110.20	.001	.018
26			Silo	.63		99.62	112.30	121.20	00	0
27			Aero	.53		99.62	112.30	121.20	0	0
28] .		Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2			243.25	67.41	99.72	101.47	.032	.022
<u>30</u>		(Fwd)	Silo	J			<u> </u>	<u> </u>		<u> </u>
31	ļ	<u> </u>	Aero				<u> </u>		ļ.·	<u> </u>
32	<u> </u>		Base	3.10		64.06	112.35		0	0
33	-	<u> </u>	Silo	4.2	·	66.61	100.32	100.55	.001	0
34	 	Jettisoned	Aero_	7.56		66.87	100.10	100.17	.001	-001
35.		Portion	Base Jett	5.40 198.48	 	67.09	100.27 98.86	100.76	.001 .028	.018
36 37	40	Interstage 1-2	0866	1270.40	129.15	68.93 96.61	100.76	99.76	.024	.014
38	+	(Aft)	Silo	3,37	1.5.7.4.)	96.69			.001	0
39	+	1 1 0/	Aero	3.37 3.41	1	97.71	101.98		.001	0
		let Stage Engine		1	63,55		110.24		.004_	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60		129.70	0	.001
43			Base	4.80	1	309.40		100.00	0	0
		Skirt			288.57	68.49	100.84	101.07	.064	.039
45			Silo	17.57		68.02		100.60	.004	.002
46		 	Aero	3.33	 	67.80	100.64	101.12	.001	0
42		1	Base	140.60	1 250	69.10	101.70	102.76	.009	.006
48		MISSILE	 	1 00 00	959.46	 		 	ļ ·	
49		·	Silo_	32.20	 	 		 		
50			Aero	21.25	-	 	 	ļ	<u> </u>	
51	-		Base	58.71		 	 	ļ	 	
52		Boeing Section S	Jett	285.02		<u> </u>	٠	<u> </u>	<u></u>	<u> </u>

* Boeing Section Stations (See Missile Station Diagram)
2-5550-0-58

NO. D2-13946-5

SEC. PAGE 26

	3	.17	MISSILE NO. 719 WEIGHT AND BALAN	NCE SUMM			report date	r no.			-
		33						R OF GRA	VITY	INE SLUG F	RTIA T2x10-3
R				2731231		(LB)	LONG.*	LAT.	VERT.		
3		41	RV Spacer							ļ	·
# 39 CTLI Section				(ļ	
Silo		7.0	CTT.T Soction	Aero						ļ	}
Silo		7.7.	OTDI DECCION	Silo		·		·····			
7 42 62.6 Section	6	_	,					·			
9		42	G%C Section			1.02	80.94	100.00	100.00	0	. 0
10				Silo							<u> </u>
11				Aero						<u> </u>	
12		44	3rd Stage Engine			18.69					1
13		 									
14 5 Interstage 2-3											}
15		45	Interstage 2-3	. ಬಚ್ಚುಕ	-20	35 25		100.00 100.00			
16		1-2		Silo		-1-1-9- 50		100.50	2.00.00	• 0.1.0	
17.	16		,								
18	17.				2.81		57.33	107.51	108.65	. 0	. 0
20	18.	_		∵ Silo			61.11	101.01		0	0
21		<u> </u>			3.4O		61.59	100.27	100.47	0	. 0
22 45 Interstary 2-3		ļ	Portion								
Carrest		15.5		- Jett	86.72					· · · · · · · · · · · · · · · · · · ·	
24		145		0.13		63.52					1
25 \(\frac{1}{16} \) 2nd Stage \(\frac{1}{16} \) ng inc	120.	-	- (VIII)							·	
26.		45	2nd Stage Ingine	Rero	1.10	50 1.5				·	
Acro .53 .99.62 112.30 121.20 0 0 0 28 3.80 1.80 1.89.25 100.00 100.00 0 0 0 0 29 47 Interstago 1-2 243.82 67.49 99.46 101.51 .032 .022 30 (Fwd) Silo 31 Acro 3.10 64.06 112.35 115.53 0 0 0 33 34 Jettisoned Acro 7.56 66.61 100.32 100.55 .001 0 0 35 Jettisoned Acro 7.56 66.87 100.10 100.17 .001 .001 35 Portion Base 5.40 67.09 100.27 100.76 .001 0 36 Jettisoned Jett 199.05 69.03 98.59 100.76 .001 0 36 Jettisoned Acro 7.56 66.87 100.10 100.17 .001 .001 35 Jettisoned Acro 7.56 3.37 96.69 100.34 100.59 .018 38 (Aft) Silo 3.37 96.69 100.34 100.59 .001 0 39 Acro 3.41 97.71 101.98 103.41 .001 0 40 48 lat Stage Engine 63.91 223.69 110.19 117.20 .004 .115 11 42 24 45 0 .004 45 45 45 45 45 45 45	26	عدد	LIM TO VARY TILE TILE	Silo	63						
28											
29 47 Interstage 1-2 243.82 67.49 99.46 101.51 .032 .022 30 (Fwd)	28									 	
Silo	29_	47	Interstage 1-2			243.82					
Base 3.10 64.06 112.35 115.53 0 0			(Fwd)	Silo							1 1/2-52
Silo 4.21 66.61 100.32 100.55 .001 0	137								:		
Jettisoned	32	<u> </u>					64.06	112.35	115.53	0	. O
Solution	133		FF								. Ο
36											
129.48 C5.51 100.75 C0.71 .02h .01h .02h .01h .02h .01h .02h .01h .02h .02h .01h .02h .		-				·· 					
40 48 let Stage Engine 63.91 22\frac{1}{2}\frac{1}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}		47		, occ	1.99.05	120 121					
40 48 let Stage Engine 63.91 22\frac{1}{2}\frac{1}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}	38			Silo	3,37				100 59		
40 48 let Stage Engine 63.91 22\frac{1}{2}\frac{1}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}	39				3.41						
Silo 2.89 190.41 111.84 120.45 0	40	48	lot Stage Engine			63.91	224.84				
Aero 1.04 136.60 117.20 129.70 0 .001 43	41	-					190.41	111.84			
Base 4.80 309.40 100.00 100.00 0 0 0 0 0 0 0 0	142						136.60	117.20	129.70		
15		1.0	C)-1 b	Base	4.80				100.00		
Base 40.60 69.10 101.70 102.76 .009 .006	144	147	SKirt	012	7.5	289.17					.039
Base 40.60 69.10 101.70 102.76 .009 .006	146							100.35			
50 Aero 21.25 51 Base 58.71	47	-			10.60		60 10	100.64	101.12		
50 Aero 21.25 51 Base 58.71	48		MISSILE	- withe	10.00	067 10	- 07.TO	707.10	TOC. 10	•009	•000
50 Aero 21.25 51 Base 58.71	49			Silo	32.20	701.00					
51 Base 58.71	50										
52	51										
	52			Jett	285.77						

* Bocing Section Stations (See Missile Station Diagram)
2-5550-0-58

ENCHOTANICO | VOL

SEE.

1 NOS 2;

3.:		MISSILE NO. 720 WEIGHT AND PALAN	OF CIDAN	יים ו		REPORT	. NO			
		MAJOR COMPONENTS	CE BOLLE	JUSOJ 1111	. ' .	DATE		~::===		
景	SEC.		•	EXPENDED	TOTAL WEIGHT	CENTER	OF GRAV			RTIA 12x10-3
LINE	S	DESCRIPTION	DATA	WEIGHT (LB)	(LB)	LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								·
2			Silo							
		•	Aero							
4	39	CTLI Section								
5			Silo							
6	ļ		<u> Aero</u>		1.02	80.94	100.00	100.00	0	0
<u>-7</u> :	42	G&C Section	~	 	1.00	<u> </u>	100.00	100.00		
3	-		Silo							
<u>9</u> 10	101	3rd Stage Engine	Aero		18.61	97.35	106.53	111.49	.0	.003
11	177	Jrd Btake Eliktile	Silo	.43	20.02	94.95	110.30	117.70	• 0	0
<u> </u>			Aero	.80		94.95	110.30	117.70	0	. 0
13.	 		Base	.20		131:00	100.00	100.00	0	0
14	45	Interstage 2-3	- 1		119.33	59.78	100.27	101.46	.010	.006
15		(Fwd)	Silo							
<u> 16</u>			Aero		·					<u> </u>
17			Base	2.81		57.33	107.51	108.65	0	0_
<u>18</u>		<u> </u>	- Silo	1.92		61.11	101.01	101.74	0	. 0
19	ļ	Jettisoned /	Aero	3.40		61.59	100.27	100.47	0	0
20	├	Portion	Base	00.00		(7, 570	00 70	100.61	.008	.005
<u>51</u>	1.5		- Jett	85.69	(0.50	61.70	99.13 99.30	101.39	.006	.003
	42	Interstage 2-3	Silo	1.18	63.50	80.97	100.50	100.84	0	0 *
23 24	 	Larez	Aero Aero	1.18	 	82.00	103.07	105.23	0	0
<u>25</u>	46	2nd Stage Engine	A 61.0		32.73	145.94	105.85	110.18	.001	.018
26		1210 2000 2000	Silo	.63	1-18-1	99.62	112.30	121.20	0	0
27	1	,	Acro	53		99.62	112.30	121.20	0	0
28			Base	1.80		1.89.25	100.00	100.00	0	0
	47	Interstage 1-2			243.76	67.60	99.66	101.50	.032	.055
30		(Fwd)	Silo							<u> </u>
31			Aero	ļ <u>.</u>	ļ			· · ·	ļ	ļ
32	1_		Ваве	3.10	<u> </u>	64.06	112.35	115.53	0	<u> 0</u>
33		·	Silo	4.21	ļ	66.61	100.32	100.55	.001	0_
34		Jettisoned	_Aero_	7.56	 	66.87	100.10	100.17	-001	-001
35		Portion	Base	5.40	 	67.09 69.16	98.79	100.76	.001	.018
36			- Jett	198.99	129.44		100.76		.024	.014
37 38	13/	(Aft)	Silo	3 27	1.C.7:44	96.69	100.34	100.59	.001	0
39		1-24-4/	· Acro	3.37 3.41	 	97.71	101.98		.001	0
40		lot Stage Engine	'		63.45				.004	.115
41			Silo	2.89		190.41	111.84	120.45	0_	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40		100.00	0	0
44		Skirt			288.87	68.42	100.63	101.24	.064	.039
45	4_	 	Silo	17.57	ļ	68.02	1.00.35	100.60	.004	.002
46		ļ	Aero	3.33	 	67.80		101.12	.001	006
42		Vragre	Base	40.60	\- <u></u>	69.10	101.70	102.76	.009	.006
48		MISSILE	C/2	22 00	960.71	 	 		 	-
49		•	Silo	32.20	 	 	 	 	 	
50			Aero	21.25	}	 	 			
51			Base	285.68	ļ. ————	 	 	 	ļ	1
52	1		Jett	E03.00	<u> </u>		<u></u>	<u></u>		 _

* Boeing Section Stations (See Missile Station Diagram)
2-5550-0-58

**Roeing Section Stations (See Missile Station Diagram)
**PAGE 23

3.1	•	MISSILE NO. 721 WEIGHT AND BALAN MAJOR COMPONENTS				REPOR:	MAIN	Carcas Managas		
LDE	SEC.	DESCRIPTION		EXPENDED WEIGHT	TOTAL WEIGHT	CENTE	R OF GRA	VITY	SLUG F	RTIA T2x10-3
}	ļ			(LB)	(LB)	LONG.*	LAT.	VERT.	ROLL	PITCH
1	43.	RV Spacer	~				•			[- <u>-</u>
3			<u> Silo</u>				ļ			
3	70	CTLI Section	Aero							
	29	STIT SECNOU	Silo							
5.6			Aero							
Z	42	G&C Section			1.02	80.94	100.00	1.00.00	0	0
8			Silo							
2			Aero							
10	44	3rd Stage Fagine			18.60	97.33	1.06.53	111.49	0	.003_
11	ļ		Silo	.43		94.95	110.30	117.70	0	Ω
12.			Aero	.80		94.95	110.30	117.70	0	O
13			Base	.20		131:00	100.00	100.00	0	200
14	145	Interstage 2-3	0.13		119.51	59.80	100.27	103.36	010	.006_
1,5.	 	(Fwd)	Silo	<u> </u>						
16			Aero	2.81		57.33	107.51	108.65	0 .	0
17 18	 -		<u>Base</u> Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned		3.40		61.59	100.27	100.47	0	10
20		Portion	Base) · · · · · · · · · · · · · · · · · · ·			-100.21	2000	<u> </u>	1-
21	1		- Jett	85.87		61.73	99.15	100.48	.008	.005
22	45	Interstage 2-3			63.62	65.64	99.30	101.39	.006	.003
23		(Aft)	Silo	1.18		80.97	1.00.50	100.84	0	0
24		·	Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.61	145.77	105.87	110.22	.001	.018
26.			_Silo_	.63		99.62	112.30	121.20	0 .	0
22.			_Acro_	.53		99,62	112.30	121.20	0	0
28	-		Base	1.80		189.25	100.00	100,00	0	. 0
29	42			 	243.46	67.51	99.58	101,50	.032	.022
30	 -	(Fwd) ***	<u>Silo</u>	<u> </u>			·			
31			<u>Aero</u>	- 7 70		(), 00	770 05	77.5.55		
3 <u>2</u> 33	-	ļ	Base Silo	3.10 4.21		66.61	112.35	115.53	0	<u> </u>
豆	-	Jettisoned	_Aero_	7.56		66.87	100.32	100.55 100.17	.001 .001	.001
35	1	Portion	Rero Base	5.40		67.09	100.27	100.76	.001	. 0
36			- Jett	198.69		69.05	98.69	100.92	. 28	.018
37	42	Interstage 1-2 (Aft) ***			129.27	96.01	100.76	99.76	1/20.	.014
38	ļ	(Aft) ***	Silo	3.37		96.69	100.34	100.59	.001	0
139	1	1	_Acro_	3-47		97.71	101.98	103:47	.003.	Ω
	140	lot Stage Engine	013		63.61	224.39	100.23	117.37	•00 ₁ +	.115
42			Silo	2.89		190.41	111.8/4	120.45	0	-00)+
43	1	·	Aero	1.04		136.60	117.20	129,70	0	.001
		Skirt	Base	4.80	200 27	309.40	100.00	100.00	0	0 0
45	12		Silo	17.57	290.37	68.49 68.02	100.93	101.03	.064	.039
46			Acro	3.33		67.80	100.35	100.60	.004 .001	002
42	Γ		RGIO	40.60		69.10	101.70	102.76	.001	.006
48		MISSILE			962.07					
49		**	\$110	32.20				· · · · · · · · · · · · · · · · · · ·		
49 50		:	Aero	21.25					_ 	
51. 52			Base	58.71						
52	<u></u>		Jett	235.56						
	¥ 1	Boeing Section St	ations	(See Mice	Ala Stat	don Dine	·~~ /			-,,

* Boeing Section Stations (See Missile Station Diagram)
2-5550-0-58

** Average weight of interctage used. ** Average weight of interctage used. ** Report will be revised to reflect actual weight SEC. PAGE 29

when data is available.

		MISSILE ŅO. 722 WEIGHT AND BALAN	CE SUMM	ARY	. [NO.			
	······································	MAJOR COMPONENTS	S/N OO			DATE		recorrection of	THE TOTAL SERVER	RTIA
LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT	TOTAL WEIGHT	CENTER	OF GRAV	ITY	SLUG F	(2×10-3
H	8	DESCRIPTION	DALA	(LB)	(LB)	LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer	·····					}		
2			Silo							
3			Aero							
	39	CTLI Section								
5			Silo	ļ						
	1/1.2	G&C Section	_Aero_	 	1.02	80.94	100.00	100.00	0	. 0
8		OGO DEC CHOIL	Silo							
9		:	Aero							
		3rd Stage Engine			18.71	97.54	106.49	111.43		.003
11			Silo	.43		94.95	110.30	117.70	0	0_
12			: Aero	.80		94.95	110.30	117.70	0	0_
13	<u> </u>		Ваве	.20		131:00	100.00	100.00	0.70	0
	45		017 -	 	119.39	59.82	100.25	101.38	.01.0	.006
1.5 1.6	 	(Fwd)	Silo Aero	 						·
1 <u>0</u> 17	+-		Base	2.81		57 - 33	107.51	108.65	0	0
18	 	-	Silo	1.92		61.11	101.01	101.74	0	. 0
19	1	Jettisoned	Aero	3.40		61.59	100.27	100.47	0	. 0
20		Portion	Base							1
21			- Jett	85.75		61.75	99.11	100.51	.008	.005
22		Interstage 2-3			63.54	පිට . 64	99.30	101.39	.006	.003
23.		(Aft)	Silo	1.18		80.97	100.50	100.84	<u> </u>	<u></u>
24			<u> Aero</u>	1.18		82.00	103.07	105.23	0	0.01.8
		2nd Stage Engine		 	32.49	1/15.60	105.90	11.0.26	.001	.01.0
26			<u> Silo</u>	.63	 	99.62 99.62	112.30 112.30	121.20	0	0
27 28			Acro Base	1.80		1.89.25	100.00	100.00	0	0,
<u>دی</u> 29		Interstage 12	Dase	1	243.25		99.51	101.45	.032	.055
<u>30</u>		(Fwd)	Silo	 						1.5/2-54
31.		17.22	Aero							
32			Base	3.10		64.06	112.35	115.53	0	0.
33			- Silo	4.21		66.61	100.32	100.55	.001	0_
34		Jettisoned_	_Aero_	7.56	ļ	66.87	100.10	100.17		100
35		Portion	Base	5.40 198.48	<u> </u>	67.09	100.27	100.76	.001	.018
36		Tutanataga 7 2	- Jett	1.90.40	1 200 75	68.84 95.61	98.60 100.76		.028	.014
37 38	17/	Interstage 1-2 (Aft)	Silo	3.37	1.29.15	96.69	100.34		.001	0
<u> 39</u>	+	1/1/2 0/	Aero	3.37	 	97.71	101.98		.001	0
40		lot Stage Engine			63.68	824.50	110.22		.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04	1	136.60	117.20	129.70	0	.001
43			Base	4.80	<u> </u>	309.40	100.00	100.00	0	0
44		Skirt	 	 	290.07	67.49	100.93	100.94	.064	.039
45		- 	Silo	17.57	ļ	68.02	100.35		.004	.002
46 47	;-	 	Aero	3.33	 	67.80 69.10		101.12	.001	.006
4	-	MISSILE	Base	+ -70.00	961.30	1 02.70	1 -02.10	1202-10	1-:002	1.000
15 49	-	, <u>, , , , , , , , , , , , , , , , , , </u>	Silo	32.20	704.00	 	 	 	ļ	
50			Aero	21.25	1	1	1	 	1	1
51			Base	58.71	1	1	 	1	 	
<u>52</u>	,		Jett	285,23	1		<u> </u>	1	40	1

* Boeing Section Stations (See Missile Station Diagram)
2-5550-0-58

**Boeing Section Stations (See Missile Station Diagram)
**Diagram | NO. D2-13946-5 |
**SEC | PAG. 30

3.	3.21 Missile no. 723 Weight and Balance Summary Major components s/n 0000235					REPORT NO.					
LINE	5.3	DESCRIPTION	DATA	CO235 EXPENDED WEIGHT	TOTAL WEIGHT	CENTER OF GRAVITY			INERTIA SLUG FT2x10-3		
				(LB)	(LB)	LONG.*	LAT.	VERT.	ROLL	PITCH	
F.	41	RV Spacer	C-7	ļ							
2			Silo Aero								
	39	CTLI Section	NAST ()								
5			Silo								
6			Aero							·	
1-2	45	G&C Section		ļ	1.02	80.94	1.00.00	100.00	0	· 0	
8			Silo	ļ				ļ			
10		3rd Stage Engine	Aero		18.53	97.19	106.56	111.54	<u> </u>		
11	7.7	ord prake migune	Silo	.43	10.55	94.95	110.30	117.70	0	.003	
12			Aero	.80		94.95	110.30	117.70	0	0	
13		,	Base	.20		131:00	100.00	100.00	Ö	Ö	
	45				119.33	59.72	100.08	1.03.41	.01.0	.006	
1.5		(Fwd)	<u> 5170</u>								
16			Aero					0-2=			
17 18	<u> </u>		Basc	2.81		57:33 61:11	107.51	108.65	0	0	
19	-	Jettisoned	Silo Aero	1.92		61.59	101.01	101.74	0	0	
20		Portion	Base	7.30		01.079	100.51	100.41	<u>V</u>	<u>_</u>	
21		1.52.02.51.	- Jett	86.69		61.61	93.88	100.54	.008	.005	
	45	Interstage 2-3			€3.50	10.69	99.30	101.39	.006	.003	
123		(Aft)	Silo	1.18		80.97	100.50	100.84	0	0	
24			Aero	1.18		82.00	103.07	105.23	0	0	
25	46	2nd Stage Engine		-	32.59	145.74	105.85	170.23	.001	.018	
26. 27	 		Silo	.63		99.62	112.30	121.20	0	. 0	
28	-		Acro Esco	1.80		99.62 189.25	112.30	121.20	0	0	
	47	Interstage]-2	1. C.s . C.	1.00	244.35	67.59	100.00 99.68	100.00	0 ;032	.025 0	
30		(Fwd)	Silo		<u> </u>	01.09	99.00	1.01. 5/2	.036	1066	
31			Aero					7.			
32			Base	3,10		64.06	112.35	<u>115.53</u>	Ö	0	
33		<u> </u>	- Silo	4.21		66.61	100.32	100.55	.001	0	
34	-		Aero	7.56		66.87	100.10	100.17	.001	001	
35 ₋	<u> </u>	Portion L	Base _ Jett	5.40 199.58		67.09 67.14	_100.27 98.81	100.76	.001	0	
37	47	Interstage 1-2	. 0000	1 277.70	129.80	95.61	100.76	100.95 99.76	.023 .024	.018	
38		(Aft)	Silo	3.37		96.69	100.34	100.59	.001		
39			Aero	3.41		97.71	101.98	103.41	.001	0	
	48	1st Stage Engine			63.56	204.52	110.24	117.38	:004	.115	
42	-		Silo	2.89		190.41	111.84	120.45	0	.004	
43			Aero Base	1.04	··	136.60	117.20	129.70	0	.001	
	49	Skirt	บสอย	4.00	290.02	309.40 68.49	100.00	100.00	0	0	
45			Silo	17.57	<u>-70.02</u>	68.02	101.03	101.01	.064	.039	
46			Aero	3.33		67.80	100.64	101.12	.004	.002	
47	لبا		Base	140.60		69.10	101.70	102.76	.009	.006	
48	ļ	MISSILE			952.70						
49		•	Silo	32.20							
50			<u> Åero</u>	21.25							
51 52				58.71				·			
		noting Spotton St	Jett	205.27	i						

* Boeing Section Stations (See Missile Station Diagram)
2-5550-0-58

MONTHE VOL

NO D2-13946-5

3.	WEIGHT AND BALANCE SUMMARY					REPORT NO.					
		MAJOR COMPONENTS			•	DATE	wi	المراسة وطريطية بذركم هذا المتشفي بوي ب صد	rngal aga gaya gara galadanian dan n		
LDIE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT	TOTAL WEIGHT	CENTER OF GRAVITY			INERTIA SLUG FT2x10-3		
니	Ļļ			(LB)	(LB)	LONG.*	LAT.	VERT.	ROLL	PITCH	
~ÿ-	41	RV Spacer		ļ			ļ			ļ	
2 3			Silo				<u> </u>	<u> </u>		 	
4	30	CTLI Section	Aero				1	[}	
5	7.7	OTHI DAG CTOM	Silo	 			ļ			<u> </u>	
6			Aero	 							
7	42	G&C Section		<u> </u>	1.02	80.94	100.00	100.00	0	0	
8			Silo							,	
9			Aero								
10	44	3rd Stage Engine	,		18.55	97.23	103.55	111.52	0	.003	
11			Silo	.43		94.95	110.30	117.70	0.	0	
12	Ŀ		· Aero	.80		94.95	110.30	117.70	0	0	
13	ļ		Base	.20		131:00	100.00	100.00	0	0,	
	45	Interstage 2-3			119.27	59.72	100.22	103.39	.010	.006	
15		(Fwd)	Silo	 		·					
16	<u> </u>		7020				7.00	700 7-		}	
17			Base	2.81		57.33	107.51	108.65	0	<u> · · · · · · · · · · · · · · · · · · ·</u>	
18 19		Jettisoned /	- Silo	1.92		61.11	101.01	101.74	0	0	
50		Portion	. Aero	3.40		0159	100.21	100.41	0	0	
21	-	FOLCTON	Base - Jett	85.63		63.61	99.08	700 50	.008	005	
	45	Interstage 2-3	0000	00.05	63.46	85.4	99.00	100.52	.006	.005	
23		(Aft)	Silo	1.18	05.50	80.97	100.50	100.84	0	1	
24			Aero	1.18		82.00	103.07	105.23	0	0	
25	46	2nd Stage Engine		 	32,44	1/15.52	105.90	110.27	.001	.018	
26			Silo	.63	<u></u>	99,62	112.30	121.20	0	0	
27			1 320	. 53		99.62	112.30	121.20	Ö	0:	
28			Buss	1.80		189.25		100.00	0	0:	
	42	Interstage 1-2			243.94	67.63	99.65	101.40	.032	.022	
<u> 30</u>		(Fwd)	Silo								
31.			Aero								
32			Base	3.10	·	64.06		115.53	Ò	0	
33	 		- Silo	4.21	·	66.61	100.32	100.55	.001	0	
34_		Jettisonud .	iero_	7.56		66.87	100.10	100.17	001_	.001	
35. 36.	-	Portion	Base Jett	5.40		67.09	100.27	100.76	.001	0	
	47	Interstage 1-2	0066	199.17	300 50	69.39			.023	.018	
38		(Aft)	Silo	3.37	1.29.55	96.69	100.75 100.34	100.76	.024	.03.4	
39			Aero	3.41		97.71	101.98	103.41	.001	7.0	
	48	let Stage Engine			63.43	201.13	110.26	117.41	.004	.115	
41			Silo	2.89	ساليشتيه الماسسة	190.41	111.84	120.45	0	·00#	
42			Aero	1.04		136.60	117.20	129.70	0	.001	
43			Base	4.80		309.40	100.00	100.00	0	0	
	49	Skirt			285 02	60.53	100.68	101.12	.064	.039	
45			Silo	17.57		68.02	100.35	100.60	.004	.002	
46			Aero	3.33 40.60		67.80	100.64	101.12	.001	0	
47			Base	40.60		69.10	101.70	102.76	•009	,006	
48		MISSILE			ემე 69						
49		·	Silo	32.20							
50			<u> Aero</u>	21.25							
51	<u> </u>		<u> </u>	58.71							
52	75 TO		<u>Jett</u>	£35.€0					4.		

* Boeing Section Stations (See Missile Station Diagram)
2-5550-0-58

NO. D2-13016-5 \

SEC.

3.23 MISSILE NO. 725 WEIGHT AND PALANCE SUMMARY					REPORT NO					
MAJOR COMPONENTS S/N 0000236										
	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT	WEIGHT	CENTER	OF GRAV	TTY	SLUG FI	2 _{x10} -3
1	ŝ	DESORTI I 101	1/3/4/1	(LB)	(LB)	LONG.*	LAT.	VERT.	ROLL	PITCH
2	47.	RV Spacer								
2.			Silo							······································
2		CONT Y O 11	Aero							
	39	CTLI Section	Silo							
5			Aero							
	1,2	G&C Section		-	1.02	80.94	100.00	100.00	0	0
<u>د</u> ــ	115	000 000	Silo							
<u>~</u> -	<u> </u>		Aero							
	1,4	3rd Stage Engine			18.73	97.58	106.49	111.41	<u> </u>	003
1			Silo	.43		94.95	110.30	117.70	<u> </u>	<u>; </u>
2			- Aero	.80	ļl	94.95	110.30	117.70	0	0
3	ļ	L	Base	.20	170 00	131:00	100.00	100.00	.03.0	.006
	45	Interstage 2-3	. 643 -	 	119.33	<u>59.80</u>	<u> 100.12 </u>	17(71 21/7	• (),()	.000
5.		(Fwd)	Silo Aero	 						
6	 		Base	2.81		57.33	107.51	108.65	0	. 0
7.8		l	: Silo	1.92	<u> </u>	61.11	101.01	101.74	0.	· O.
9		Jettisoned	Aero	3.40		61.59	100.27	100.47	0 .	0
Z. Q	 	Portion	Base	1						
1	1-	1	- Jett	86.69		6173	98.94	100.66	.008	.005
ŝ	45	Interstage 2-3			63.50	80.64	99.30	101.39	.006	.003
3		(Aft)	Silo	1.78		80.97	100.50	100.84	0	<u> </u>
14			Aero	1.18		82.00	103.07	105.23	0	0
5	140	2nd Stage Engine			32.53	145.65	105.89	110.24	.001	.018
26	-		Silo	.63	ļ	99.62	112.30	121.20	<u> </u>	. 0
7	-		CX2A	153_		99.62	112.30	121.20	0	0
ر. ک			Bas	1.80		189.25	100.00	100.00	.0	0
9		سنتالك سندنا فضمت وسارياه المرتبساة سيتيبان ارسارتها	~		243.00	67.28	99.58	101.54	.032	.022
Ö	-	(Fwd)	Silo	 	 	ļ		ļ		
12	+		Aero Base	3.10	 -	64.06	112.35	115.53	Ò	. 0
5			Silo	4.21	 	66.61	100.32	100.55	.001,	· 0.
		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
55		Portion	Base	5.40		67.09	100.27	100.76	.001	0
56		l.	- Jett	198.23		65.78	98.69	100.97	.028	.018
7	47	Interstage 1-2			129.00		700.76			0,14
38		(Aft)	Silo	3.37	<u> </u>	96.69		100.59	.001	0
39			Aero	3.41	1 - 65 '60	97.71	101.98		.001	1 :0
		lot Stage Engine		0.00	63.88	224.79 190.41	110.19	117.29	-001	.004
1) 12		<u> </u>	Silo	2.89	 	136.60		129.70	0	.004
te F	-	 	Aero Base	4.80	 	309.40		100.00	1 0	0
, l		Skirt		+	289.52		100.00		.064	.039
			Silo	17.57	1 509.05	68.02	100.35	100.60	.004	.002
1	1		Aero	3.33	· · · · · · · · · · · · · · · · · · ·	67.80			.001	0
17			Base	40.60		69.10		102.76	.009	.006
1.		MISSILE	1.		950.51					
10			Silo	32.20						
X			Aero	21.25						
5)			Base	58.71						
53	٠١ -		Jett	254.92		1			1	

* Bocing Section Stations (See Missile Station Diagram)
2-5550-0-58

| NO. D2-13916-5 | SEC. | PAGE 133

3.		MISSILE NO. 726 WEIGHT AND BALAN MAJOR COMPONENTS	NCE SUMM	ARY		repor' date	r no.		,	· · · · ·
LINE	SEC.	DESCRIPTION	DATA .	EXPENDED WEIGHT	TOTAL WEIGHT	CENTE	R OF GRA		INE SLUG F	RTIA T2×10-3
17	4)	RV Spacer		(LB)	(LB)	LONG.*	LAT.	VERT.	ROLL	PITCH
2	2	TA DUNCAL	Silo	<u> </u>						
3			Aero				 		7.	
L,	39	CTLI Section	·							
5			Silo							. :
			Aero							
1-2	45	G&C Section		<u> </u>	1.02	80.94	100.00	100.00	0	-0
8			Silo						ļ	<u> </u>
10	7.7.	3rd Stage Engine	Aero		18.54	077 07	706 55	777 [0	<u> </u>	
11	44	ord Stage Lngine	Silo	.43	10.54	97.21. 94.95	106.55	111.53	<u> </u>	.003
12			- Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131:00	100.00	100.00	0	0.
14	45	Interstage 2-3	11		118.79	59.69	100.00	101.32	.010	.006
15		(Fwd)	Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	: 0	0
18			- Silo	1.92		61.11	101.01	101.74	0	0
19	·	. Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20	_	Portion	Base							
21	1. 77		- Jett	86.15		61.59	98.95	100.77	.008	.005
	45		~ ~ ~		63.14	19.63	99.30	101.39	.006	.co3
23 24		(Aft)	<u> </u>	1.18		80.97	1.00.50	100.84	<u> </u>	<u>. Q</u>
25	1.6	2nd Stage Engine	Aero	1.18	32.70	82.00 145.90	103.07	105.23	0	0
26	70	City o take Buking	Silo	.63	34.10	99.62	105.85	110.19	.001	.018
27			Aero	•53		99.62	112.30 112.30	121.20 121.20	0	0
28			Bane	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2	,		21:3.25	67.45	99.62	101.43	.032	.055
30	·	(Fwd)	Silo		_ 12 1, / 1 24 /	<u> </u>		202,00		
31			Aero				•	1.		
32			Base	3.10		64.06	112.35	115.53	O	-0
33		·	- Silo	4.21		66.61	100.32	100.55	.001	10
313		Jettisoned	_Aero	7.56		66.87	100:10	100.17	.001	.051
35_		Portion	Base	5.40		67.09	100.27	100.76	.001	-0
36 37	47	Interstage 1-2	- Jett	198.48	7.00 7.5	68.98	98.73	43.00L	.029	.018
38	7.	(Aft)	Silo	2 27	129.15	96.61	100.76	99.76	.024	.014
39		/27.0/	Aero	3.37		96.69 97,71	100.34	100.59	.001	<u>≎</u>
	48	lat Stage Engine	- AND LA	1-7-1	63.4.1	201-12	101.98	717.1.2	.001 .004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43	لبا		Base	4.80		309.40	100.00	100.00	0	10
	49	Skirt			289.67	63.10	1.00.97	101.05	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
42 48	اا	MICCITE	Base	40.60		69.10	1.01.70	102.76	.009	.006
49		MISSILE	C 4 3	20.00	959.67					
50	<u> </u>		\$110	32.20						
5).			Aero	21.25 58.71						
52 52			Base	204.63						
		oeing Section St	Jett							

j

3	.25	MISSILE NO. 727 WEIGHT AND BALA	nce sum		,	1	T NO.			<u> </u>
F=7	•	MAJOR COMPONENT	s s/n oo	000226 Expended	TOTAL	DATE		TERRETARIA ELEMPERATURA	TNE	RTIA
LUE	SEC	DESCRIPTION	DATA	WEIGHT	WEIGHT		R OF GRA	VITY	SLUG F	T2x10-3
	ļ	777 7		(LB)	(LB)	LONG.*	LAT.	VERT.	ROLL	PITCH
1 2		RV Spacer	0.23	 			·		ļ	ļ
	-		Silo Acro	 				 	<u> </u>	
4	39	CTLI Section	AUTO	 		 		}		
5			Silo					<u> </u>	(
6			Aero							· ·
2	42	G&C Section		-	1.02	80.94	100.00	100.00	0	0
8			Silo	<u> </u>	<u> </u>			 		
9 10	1.7.	3rd Stage Engine	Aero	 	70 50	CG . 50	7.07 50	7.7.7.6		
11	44	ord Stage Engine	Silo	.43	18.70	97.52 94.95	106.50	111.43	<u> </u>	.003
15			Aero	.80	. ,	94.95	110.30	117.70	0	0
13			Base	.20		131:00	100.00	100.00	0	0
14	45	Interstage 2-3			119.27	59.84	100.24	101.43	olo	.006
15		(Fwd)	Silo							
16			Aero							
17			Buss	2.81	- :	57.33	107.51	108.65	0	. 0
18	-	Ţ	Silo	1.92		61.11	101.01	101.74	0	0
19 20		Jettisoned Portion	Aero	3.40		61.59	100.27	100.47	0	0
21		rorcion	Base Jett	,86.63		61.78	99.09	100-57	.008	•005
	45	Interstage 2-3	0000	7,00.05	63.46	80.64	99.09	100.37	006	.003
23		(Aft)	Silo	1.18	<u> </u>	80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	Ö	0
25	46	2nd Stage Engine			32.66	145.64	105.86	110.20	.001	.018
26			_Silo_	.63		99.62	112.30	121.20	Q	0
27			Acro	.53		99.62	112.30	121.20	0	. 0
<u>28</u> 29	47	Interstage 1-2	Вазе	1.80	0).0	189.25	100.00	100.00	0	0
30	77.	(Fwd)	Silo		243.57	67.44	99.47	101.58	.032	.022
31	-	<u> </u>	Aero	 					·+	
32			Base	3.10	····	64.06	112.35	115.53		
33		·	- Silo	4.21		66.61	100.32	100.55	.001	0
34.	_	Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35_	· ,	Portion	Base	5.40		67.09	100.27	100.76	.001	0
36.	1.0		Jett	198.80		68.96	98.54	101.02	.028	.018
37 38 39	47	Interstage 1-2 (Aft)	0.17 -	3 37	129.33	96.61	3.00.76	99.76	.0≥	.014
39	-	(Alt)	Silo Aero	3.41		96.69	100.34	100.59	.001	0
40	48	let Stage Engine	ACLU	7.7.	63.58	97,71 224.35	101.98 110.24	103.41	.001	<u>0</u>
			Silo	2.89	<u> </u>	190.41	111.84	120.45	.004 0	.115 .004
41 42			Aero	1.04		136.60	117.20	129.70	0	.004
43			Base	4.80		309.40	100.00	100.00	0	. 0
44	49	Skirt ·			290.22	66.50	100.96	101.06	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47 48		MISSILE	Base	40.00	96181	69.10	101.70	102.76	.009	.006
49		,	Silo	32.20	301°01					
50		:	Aero	21.25						
51			Base	58.71						
52			Jett	285.43						
	K- T2	oeing Section St			130 Stor	dan Dina			44	

* Boeing Section Stations (See Missile Station Diagram)
2-5550-0-58

**Roeing Section Stations (See Missile Station Diagram)
**No. D2-13946-5

**SEC. PAGE 35

3.		MISSILE NO. 728 WEIGHT AHD BAJAN	ice sulal				r no.	the state of the s	tarith traviage syllagal typing & ma ^{rith 6} magas	
-	, , ,	MAJOR COMPONEITS		000245		DATE		יוודה לתונטני גרישוציי	TALE	RTIA
LINE	830,	DESCAIPTION	DATA	EXPENDED WEIGHT	TOTAL WEIGHT	CENTE	R OF GRA	VINY	SLUG F	r2x10-3
TI	63	NOT TAKE OF COURT	DATA	(TB)	(LB)	LONG .*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer						, ,		
3			Silo							
3	 		Acro	<u> </u>						
4	39	CTLI Section.								
15	[]		Silo				·			
. <u>5</u>			Aero							
7	42	GC Section			1.02	80.94	100.00	1.00.00	0	<u> </u>
8	<u> </u>		Silo							
2	<u> </u>		Aero							
10	1+1+	3rd Stage Fogine			18.73	97.58	106.49	111.41	0	.003
11			Silo	.43		94.95	110.30	117.70	0	Ω
12.			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.50		131:00	100.00	100.00	0	
14	45		0.15		119.39	59.82	100.12	101:55	.010	-,006
15		(Fwd)	Silo	ļ			ļ			
16			Aero	2.81		57.33	1.07.51	108.65	0	
17 18			Base Silo	1.92		$\frac{21 \cdot 22}{61.11}$	101.01	101.74	0	0
19	 	Jettisoned	Aero	3.40		61.59	100.27	100.47	0	
20		Portion	Base	<u> → 4+U</u>		<u> </u>	100.21	700.41	<u> </u>	
21		10101016	- Jett	86.75		61.75	93.94	100.74	.008	:005
22	45	Interstage 2-3	0000	- 00:12	63.54	80.04	59.30	101.39	.000	.003
		(Aft)	Silo	1.18		80.97	1.00.50	100.84	0	0
23. 24			Aero	1.18		82.00	103.07	105.23	Ö	ŏ
25	46	2nd Stage Engine	سيسيمات والدينة المساسات المسيس		31.85	144.65	105.01	110.45	.001	.018
.26.			Silo	.63		99.62	112.30	121.20	0	. 0
27.		`	Aoro	.53		99.62	112.30	121.20	0	0
28		·	Baso	1.80		189.25	100.00	100.00	0 .	4 0
	4.7				243.63	67.18	99.57	101.56	.032	.022
30	ļ	(Fwd)	Silo_					,		
37	ļ		<u> Aero</u>							······································
32			Base	3.10	·	64.06	112.35	115.53	<u>Q</u>	
33.	<u></u> -	<u>-</u>	<u>- Silo</u>	4.21		66.61	100.32	100.55	-001	<u> </u>
3/1	 	Jettisoned	_Aero_	7.56	· · · · · · · · · · · · · · · · · · ·	66.87	100.10	100.17	001	001
35_		Portion	Base - Jett	5.40 198.86	· · · · · · · · · · · · · · · · · · ·	67.09 63.신	100.27 90.67	100.76	.001 .001	0
32	42	Interstore 1-5	0000	10.00	720.27				.028	.018
38	 	Interstage 1-2	Silo	3.37	759.37	96.69	100.76	100.59	.024	.01.4
39			Acro	3.41		97.71	101.98	103.41	.001	÷ 0
40	48	Lat Stage Engine			63.12	223.65		117:50	•001+	.115
			Silo	2.89	- / 7 100 100	190.41	111.84	120.45	0	.004
41			Aero	1.04		136.60	117.20	129.70	ő	.001
143	1	:	Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			289.27	63.44	100.73	101.17	.064	.039
145			Silo	17.57		68.02	100.35	100.60	.004	.002
146	┼		Aero	3.33		67.80	100.64	101.12	.001	0
117	├	1	_Base_	40.60		69.10	101.70	102.76	.009	.006
48	-	MISSILE			959.92			·		
49	 		_Silo_	32.20						
50	-		<u>Aero</u>	21.25				·		
51. 52	-		<u>Base</u>	58.71					- cu	
125	<u></u>	Boeing Section St		205.61		L	l			

* Boeing Section Stations (See Missile Station Diagram)
2-5550-0-58

ROPING

| NO D2-13945-5

j

	3	.27	MISSILE NO. 729 WEIGHT AND BALAN	ICE SULTA	ARY		REPOR	r no.			
	<u></u>	γ	MAJOR COMPONEITE	s/N oc	000237	,	DATE		TELEGRAPHES AT SERVICE	Sattanean ann Famil S	
1	[2]	13					CENTE	R OF GRA	VITY	INE	RTIA
1	15	SE	DESCRIPTION	DATA	WEIGHT	WEIGHT		,			
2	 	105	THY Comments	******************		(1113)	1'()1/(3 "%	15A1.	VERT.	r(r(0))(.)	F1100
3		-;; <u>;</u> ,T	RV Spacar				~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	ļ		<u> </u>	
A 39 CTLA Section Silo Aero 1.02 80.94 100.00 100.00 0 0 0 0 0 0 0 0							······································				·
Same	J	30	CTY T Scatton	Acro						ļ	
1.02 80.94 100.00 100.00 0 0 0 0 0 0 0 0	5	בכ	01111 250 (17011	8110							
1.02 80.94 100.00 100.00 0 0 0 0 0 0 0 0	16				 						
Solution Solution		42	G'C Section		-	1.02	80.94	100.00	1.00.00	0	0
10			, · · · · · · · · · · · · · · · · · · ·	Silo							
10 44 3rd Stage Fagine 18.55 97.23 106.55 111.52 0 .003 11 .70 0 0 .003 12 .006 .008											
12		414	3rd Stage Engine			18.55	97,23	106.55	111,52	Q	.003
13	11			Silo				110.30	117.70	0	0
13	12				.80		94.95	110.30	117.70	00	0
15	13.	,		Base	.20						
16		4.5				119.00	59.81	100.18	101.42	.010	1.006
17			(Fwd)								
18					 			7.00	700 75	<u> </u>	<u> </u>
19		ļ.—			•						+
20						 -		101.01			
21					3.4Q		01.29	100.27	100.47		- 0
22		 	rortion		06.06		<u> </u>		700 56	- 008	
Column		45	Internative 2 %	- 0000	(7.36)	62 09				COURSE WAS PROVIDED	·
24		12.		9470	1 18	03.50					
25 46 2nd Stage Engine	24										
26	25	46	2nd Stage Engine	<u></u>	1	22.26					
27	26	1	www www carefrance	Silo	63						
28			·				99.62				
22	28		11							(ļ
30		47	Interstage 1-2			243.98	And the section of the section of the section of		101.50		
Aero Base 3.10 64.06 112.35 115.53 0 0			(Fwd)	Silo ·	i					• • • • • • • • • • • • • • • • • • • •	10/50/50
Base 3.10 64.06 112.35 115.53 0 0 0 33 33 34 34 34											
33	32				3.10		64.06	112.35	115.53	0	0
34	33.			- Silo	4.21						1
35		 	Jettisoned								
37 42 Interstage 1-2 129.22 95.61 160.70 1.10 .024 .014 38 (Aft) Silo 3.37 96.69 100.34 100.59 .001 0 39 Acro 3.41 97.71 101.98 103.41 .001 0 40 48 lat Stage Engine 63.83 224.79 110.19 117.29 .004 .115 41 Silo 2.89 190.41 111.84 120.45 0 .004 42 Acro 1.04 136.60 117.20 129.70 0 .001 43 Base 4.80 309.40 100.00 100.00 0 .001 44 49 Skirt 286.02 65.51 100.84 100.15 .064 .039 46 Silo 17.57 68.02 100.54 101.15 .004 .002 46 Acro 3.33 67.80 100.64 101.12 .001 0 48 MISSILE 956.71 956.71	35.	ļ	Portion		5.40						00
38	136	1.0		- Jett	198.61		<i>6</i> 8.76		7.07,,00	.ი28	.018
39	兴	147	Interstage 1-2			J.29.22	95.63	300.40			
Ho Ho Ho Ho Ho Ho Ho Ho	150	 -	(<u>\(\lambda\) \(\lambda\) \(\l</u>								
Silo 2.89 190.41 111.84 120.45 0 .004 42	110	48	Int Stars Randwa	Acro	 1:4.L -	(0.00					
Acro 1.04 136.60 117.20 129.70 0 .001 43	41	1.02	Tocoraka mikina	Sila	2 82	63.83					
Base 4.80 309.40 100.00 100.00 0 0 0 0 0 0 0 0	42	_									
44 49 Skirt	43		:								
Silo 17.57 68.02 100.35 100.60 .004 .002 .004 .002 .004 .002 .004 .002 .004 .002 .004 .002 .004 .005 .		49	Skirt	~400	7.00	286 00					
Aero 3.33 67.80 100.64 101.12 .001 0 .006 .007 .006 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .008 .009 .006 .009 .009 .006 .009 .006 .009 .009 .006 .009 .006 .009 .009 .006 .009 .009 .006 .009 .006 .009	45	1		Silo	17,57	<u></u>					
	46		::								
48 MISSILE 955.71	1:2		-1		40.60						
19	48		MISSILE			956.71					
50 Aero 21.25 51 Base 58.71	49	_		Silo	32.20						
51 Base 58.71	50					-					
150	51_			Base	58.71						
55	52		· ·	Jett	281.97					<¢	

* Boeing Section Stations (See Missile Station Diagram)
2-5550-0-58

**Boeing Section Stations (See Missile Station Diagram)
**NO. D2-130/6-5

**SEC. | PAGE 37

1 41 3 3 4 7 5 6 6 6 6 6 6 6 6 6	CTLI Section G&C Section 3rd Stage Engine Interstage 2-3 (Fwd) Jettisoned Portion Interstage 2-3	Silo Aero Silo Aero Silo Aero Silo Aero Silo Aero Silo Aero Base Silo Aggo Base	.43 .80 .20 .20 .281 .92 3.40	1.02 18.58	CENTED LONG.* LONG.* 80.94 97.29 94.95 94.95 131:00 59.91 57.33 61.11 61.59	100.00 1.06.54 110.30 110.30 100.00 100.27	VITY VERT. 100.00 111.51 117.70 117.70 100.00 101.37 108.65 101.74 100.47	O	0 .003 0 0 .006
1 41 2 70 5 7 1.2 8 9 10 44 11 1 12 13 15 15 15 16 17 18 17 18 17 18 19 10 20 21 20 21 22 45 23 24 16 26 27 28	RV Spacer CTLI Section GAC Section 3rd Stage Engine Interstage 2-3 (Fwd) Jettisoned Portion Interstage 2-3	Silo Aero Silo Aero Silo Aero Silo Aero Base Silo Aggo Base Silo Aggo Base	.43 .80 .20	1.02	80.94 97.29 94.95 94.95 131:00 59.01	100.00 106.54 110.30 110.30 100.00 100.27	100.00 111.51 117.70 117.70 100.00 101.37 108.65 101.74	0 0 0 0 0 0 0	0 .003 0 0 0 .006
2 3 4 70 5 6 7 4 2 8 9 10 4 4 5 15 16 17 18 19 20 21 22 45 25 46 26 27 28 19 28 19 20 21 22 4 5 26 27 28 19 20 21 22 4 5 26 27 28 10 20 20 20 20 20 20 20	CTLI Section G&C Section 3rd Stage Engine Interstage 2-3 (Fwd) Jettisoned Portion Interstage 2-3	Aero Silo Aero Silo Aero Silo Aero Base Silo Aggo Base Silo Aggo Base	2.81 1.92 3.40	18.58	97.29 94.95 94.95 131.00 59.91 57.33 61.11	1.06.54 110.30 110.30 100.00 100.27	111.51 117.70 117.70 100.00 101.37	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	.003 0 0 0 .006
3 4 70 5	G&C Section 3rd Stage Engine Interstage 2-3 (Fwd) Jettisoned J Portion Interstage 2-3	Aero Silo Aero Silo Aero Silo Aero Base Silo Aggo Base Silo Aggo Base	2.81 1.92 3.40	18.58	97.29 94.95 94.95 131.00 59.91 57.33 61.11	1.06.54 110.30 110.30 100.00 100.27	111.51 117.70 117.70 100.00 101.37	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	.003 0 0 0 .006
5	G&C Section 3rd Stage Engine Interstage 2-3 (Fwd) Jettisoned J Portion Interstage 2-3	Silo Aero Silo Aero Silo Aero Silo Aero Base Silo Aero Base Silo Aero Base	2.81 1.92 3.40	18.58	97.29 94.95 94.95 131.00 59.91 57.33 61.11	1.06.54 110.30 110.30 100.00 100.27	111.51 117.70 117.70 100.00 101.37	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	.003 0 0 0 .006
5	G&C Section 3rd Stage Engine Interstage 2-3 (Fwd) Jettisoned J Portion Interstage 2-3	Aero Silo Aero Silo Aero Base Silo Aero Base Silo Aero Base Silo Aero Base	2.81 1.92 3.40	18.58	97.29 94.95 94.95 131.00 59.91 57.33 61.11	1.06.54 110.30 110.30 100.00 100.27	111.51 117.70 117.70 100.00 101.37	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	.003 0 0 0 .006
7 42 8 9 10 44 11 45 12 45 13 45 16 17 18 19 20 21 22 45 22 45 23 24 25 26 26 27 28	3rd Stage Engine Interstage 2-3 (Fwd) Jettisoned 1 Portion Interstage 2-3	Silo Aero Silo Aero Base Silo Aero Base Silo Aero Base Silo Aero Base	2.81 1.92 3.40	18.58	97.29 94.95 94.95 131.00 59.91 57.33 61.11	1.06.54 110.30 110.30 100.00 100.27	111.51 117.70 117.70 100.00 101.37	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	.003 0 0 0 .006
8	3rd Stage Engine Interstage 2-3 (Fwd) Jettisoned 1 Portion Interstage 2-3	Silo Aero Base Silo A900 Bass Silo A900 Bass Silo Asco Base	2.81 1.92 3.40	18.58	97.29 94.95 94.95 131.00 59.91 57.33 61.11	1.06.54 110.30 110.30 100.00 100.27	111.51 117.70 117.70 100.00 101.37	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	.003 0 0 0 .006
9 10 44 11 12 13 14 45 15 16 17 18 19 20 21 22 45 23 24 25 46 26 27 28 10 10 10 10 10 10 10 1	Interstage 2-3 (Fwd) Jettisoned Portion Interstage 2-3	Silo Aero Base Silo A900 Bass Silo A900 Bass Silo Asco Base	2.81 1.92 3.40		94.95 94.95 131:00 59.91 57.33 61.11	110.30 110.30 100.00 100.27	117.70 117.70 100.00 101.37 108.65 101.74	0 .010 .	0 0 0 .006
10 44 11	Interstage 2-3 (Fwd) Jettisoned Portion Interstage 2-3	Silo Aero Base Silo Aero Base Silo Aero Base Silo Aero Base	2.81 1.92 3.40		94.95 94.95 131:00 59.91 57.33 61.11	110.30 110.30 100.00 100.27	117.70 117.70 100.00 101.37 108.65 101.74	0 .010 :	0 0 0 .006
11	Interstage 2-3 (Fwd) Jettisoned Portion Interstage 2-3	Aero Base Silo Aero Base Silo Aero Base Base	2.81 1.92 3.40		94.95 94.95 131:00 59.91 57.33 61.11	110.30 110.30 100.00 100.27	117.70 117.70 100.00 101.37 108.65 101.74	0 .010 :	0 0 0 .006
12 13 14 45 15 16 17 18 19 19 20 21 25 45 25 46 26 27 28 19 19 19 19 19 19 19 1	(Fwd) Jettisoned { Portion } Interstage 2-3	Aero Base Silo Aero Base Silo Aero Base Base	2.81 1.92 3.40	119.27	94.95 131:00 59.91 57.33 61.11	110.30 100.00 100.27 107.51 101.01	117.70 100.00 101.37 108.65 101.74	0 0 .010:	0 0 .006
13 45 15 16 17 18 19 20 21 22 45 23 24 25 46 26 27 28	(Fwd) Jettisoned { Portion } Interstage 2-3	Base Silo Apro Base Silo Asro Base	2.81 1.92 3.40	J19.27	131:00 59.91 	100.00 100.27 107.51 101.01	100.00 101.37 108.65 101.74	0.01.0 0.01.0 0	0 .006 0 0
14 45 15 16 17 18 19 20 21 22 45 23 24 25 46 26 27 28	(Fwd) Jettisoned { Portion } Interstage 2-3	Silo Agro Basc Silo Agro Base	2.81 1.92 3.40	119.27	59.91 57.33 61.11	107.51 101.01	101.37 108.65 101.74	.010 : 0 0	.006 0 0
15 16 17 18 19 19 10 10 10 10 10 10	(Fwd) Jettisoned { Portion } Interstage 2-3	Acco Base Silo Acco Base	1.92 3.40		57·33 61.11	107.51	108.65	0	0
16	Jettisoned Portion Interstage 2-3	Acco Base Silo Acco Base	1.92 3.40		61.11	101.01	101.74	0	0
17 · · · · · · · · · · · · · · · · · · ·	Jettisoned { Portion Interstage 2-3	- Silo Aero Base	1.92 3.40		61.11	101.01	101.74	0	0
19	Jettisoned { Portion Interstage 2-3	Aero Base	3.40		17.00				
20 21 22 45 23 24 24 25 46 26 27 28	Portion Interstage 2-3	Base			61.59	100.27	ו למיל טיטוב		
21 45 23 45 24 25 46 26 27 28	Interstage 2-3		85.63		1		100.41	0	. 0
22 45 23 24 24 25 46 26 26 27 28		- Jett	55.63	!					
23 24 25 46 26 27 28					<u>ങ.83</u>	99.13	34.001	.008	.005
2 ¹ 4 46 26 27 28		***	ļ	63.45	5.0	99.30	7.0739	.006	.003
25 46 26	(Aft)	<u> </u>	1.18		80.97	100.50	100.84	<u> </u>	- 0
26 27 28	2nd Stage Engine	<u>Aero</u>	1.18	32.39	82.00	103.07	105.23	0	.018
27 28	Cha seake pilkting	Silo	.63		99.62	112.30	121.20	.001	. 0
28		Acro	.53		99.62	112.30	121.20	Ö	0
		Base	1.80		189.25	100.00	100.00	ŏ	0
29 47	Interstage)-2			2+3.53	67.38	99.54	101.51	.032	.055
30	(Fwd)	Silo							
31		Aero							
32	<u> </u>	Base	3.10		64.06	112.35	115.53	. 0	Ω
33	ļ	- Silo	4.21		66.61	100.32	100.55	.001	0
34	Jettisoned	_Aero_	7.56	ļ	66.87	100.10	100,17		001
35	Portion	_ Rase_	5.40	 	67.09	100.27	100.76	.001	
36 37 47	Interstage 1-2	- Jett	1.08.76	29.32	63.87	200.70	100.03 44.76	.024 .024	.018
38	(Aft)	Silo	3.37	1 - 57 · 5	96.69	100.34		.001	.03.4 0
39	(XI U)	Aero	3.43.		97.71	101.98		.001	-
	let Stage Engine		1	63.45		110.25	117.71	.001	.115
41		Silo	2.89		190.41	111.84	120.45	0	.004
42		Aero	1.04		136.60	117.20	129.70	0	.001
43		Base	4.80		309.40	100.00	100.00	0	0
44 49	Skirt		<u> </u>	289,17	68.52	1.00.75	107.79	.064	.039
45	·	Silo	17.57		68.02	100.35	100.60	.004	.002
46 42		Aero	3.33		67.80	100.64	101.12	.001	0
	MISSILE	Base	1+0.00	560.80	69.10	1 707.10	102.76	.009	.006
49		Silo	32.20	50000	 				
50		Aero	21.25	· · · · · · · · · · · · · · · · · · ·	 		 		
51	· · · · · · · · · · · · · · · · · · ·	- Pago	58.71		 		 		
52		Jett	285.39		1				

* Bocing Section Stations (See Missile Station Diagram)
2-5550-0-58

**Rocing Section Stations (See Missile Station Diagram)
**NO. D2-13946-5
**SEC. PAGE 13

- -

-		MICSILE NO. 732 WEIGHT AND BALAN	ICE SIDM	ΔRY	, and the second second second second	repor'	e no.			
		MAJOR COMPONETIES			• 1	DATE	provensi in	verendelentetent	and the second difference of the	
LEIS	្ត	DESCRIPTION	DATA	EXPENDED WEIGHT	TOTAL WEIGHT		R OF GRA	VITY	SLUG F	RTIA T2x10-3
	ισ.			(LB)	(LB)	Long.*	LAT.	VERT.	KOLL	PITCH
7	41	RV Spacer								<u> </u>
_ <u>_</u>			Silo							ļ
$\frac{y_j}{b_i}$	70	CTLI Section	Aoro							
<u>ئے</u> ح	22	CITT SECRICA	Silo							
6			Aero	-						
	142	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
_9			Aero							
10	44	3rd Stage Engine			18.69	97.50	105.50	<u> </u>	0	.003
11	_		Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		914.95	110.30	117.70	0	0
13	1,2	Interstage 2-3	Вавэ	.20	23.82	131:00 60.05	100.00	100.00 101.51	0.0.0	.006
1 <u>4</u> 15	172	(Fwd)	Silo	 	1,11,00	07.00	. 1 (V) • n'esta	12.1.1. · 7.1.	• 1/2/1/	<u> </u>
16		_\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		<u> </u>						
17			22.20	2.81		57.33	107.51	108.65	0	0
18		7	- Silo	1.92		61.11	101.01	101.74	0	0
19		Jettiscosi !	<u>lero</u>	3,40		61.59	100.27	100.47	0	0
20		Portion]	Base							
21	-		— ಕ್ರೀತ	1.50			<u> </u>	300.00	.008	.003
	45	Interstand 2-3	323	7 70	<u> </u>		30.73	7:72.30	.0.25	.03
23 24	-	(Aft)	53.30_	1.18		20.97 82.00	100.50	100.84 105.23		0
	46	2nd Stage Darding	horn	70	52.50	3.45.63	203.07	330.25	.001	.018
26	1.50	LAIN DORES - 1 DAY	5110	,63	<u> </u>	99.62	112.30	121.20	0	0
27			_ ن	1 .53		99.62	112.30	121.20	ő	Ö
28				1.30		1.89.25	100.00	100.00	0	0
	47	Interstag: 1-7			243.76	57.44	99.55	101.55	.032	.022
<u>30</u>	<u> </u>	(Fvd)	<u> 2000 </u>			~				
31	 		Aero	ļ					}	
32	-		Base	3.10		64.06	112.35	<u> 115.53</u>	<u>Q</u>	Ω
33 34	-	Jettigo: 1	Silo Acro	4.21 7.56		66.61 66.87	100.32	100.55	.001	00
35.	1	Portion	Anse	5,40		67.09	100.10	100.17	.001	0
36			T Jack	7,98.99		\$ 1,00	28.07	300.00	.028	.018
37		Interstago 1-2			1.20.14	C 1. (1)	750.75	77	6.3	.014
38		(Aft)	Silva	3.37			100.34	1.00.59	.001	0
39	11.0		: Laro	3.47		97.70	107.498	703.47	.007	0
	148	lot Stage Eagine			63.55	5 10.50	<u> </u>	777,30	·00/i	.115
41 42	+		Silo	2.89		190.43			0	-001
43	+		Acro Acro	1.0k 4.80		136.60	117.20	129.70	0	.001
	140	Skirt	hane	~ · (A)	01 5,97	309.40	700.00	100.00	·064	0 0 0 0
45	1		Silo	17.57		63.02	100.35	3.00.60	.004	.039
46			Aero	3.33		67.80	100.6	101.12	003.	0
42			Base	1,0.60	~	69.10	100.6%	102.76	.009	.006
48	<u> </u>	MISSILE			೧೯೪, ೧೯					
49	 ;-		_S.Mo_	32.20						
50	 		Lero	21.25						,
51_	-		<u>Bass</u>	58.71				<u> </u>		
52	L	Root : Sportion St	Jett	235.17		l				

* Boel: Section Stations (See Missile Station Diagram)
2-5550-0-58

ENGROUSE VOL NO D2-13946-5

3.	30	MISSILE NO. 733 WEIGHT AND BALA MAJOR COMPONENT	NCE SUM	MRY DCOO2+7	na managan yan kana makasasi sikan	REPOR DATE	T No.	ngga panta-uning nagga birangga gangga panta- ngga gangga pangga		
LINE	SEG.	DESCRIPTION	DATA	EXPENDED WEIGHT	TOTAL WEIGHT		R OF GRA	VITY	INE	MTIA T2x10-3
 			17XLLR	(LB)	(LB)	LONG.*	LAT.	VERT.	KOLL	PITCH
1	41	RY Spacer			·			<u> </u>	ļ	
1-3-	-		Silo			ļ		ļ	[ļ
1-3-	39	CTLI Section	Aero				{	ļ		<u> </u>
5	129	CITT PACKTON	Silo					 		
6			Aero				}	 		·
7	42	G&C Section	- Olialia		1.02	80.94	100.00	100.00	0	0
8			Silo	i .						
2			Aero							
10	44	3rd Stage Engine			10.58	97.29	106.54	133.51	0	.003
11		· · · · · · · · · · · · · · · · · · ·	Silo	.43		94.95	110.30	117.70	0	0
15			Aero	.80		94.95	110.30	117.70	0	0
13	7.6	Inton-ton	Base	.20		131:00	100.00	100.00	0	0
15	45	Interstage 2-3 (Fwd)	Silo	 	119.09	59.73	J.00.09	7.07.46	.010	.006
16	-	(EMG)	Acro	 	······································				<u> </u>	i
17			Basa	2.81		57.33	107.51	108.65	0	
18		1-	Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisonad	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base	7.50		03.02		100.71	<u> </u>	- <u>- </u>
21		L	- Jett	56.45		61.63	98.83	100.61	.008	.005
22	45	Interstage 2-3			63.54	(17)	99.30	101.39	.005	.003
23_ 24		(Aft)	Silo	1.18		80.97	1.00.50	1.00 . 84	0	0
			Aero	1.18		82.00	103.07	105.23	Ó	Ö
25_	46	2nd Stage Figino			33.170	3.45.60	105.90	220.26	.001	.018
26	·		_عنام_	.63	·····	99.62	112.30	121.20	0	. 0
27 28	-			.53		99.62	112.30	121.20	0	0
	100	7-4	Вазе	1.80		189.25	100.00	100.00	0	<u> </u>
30	4/	Interstage 1-2 (Fwd)	017		243.47	<i>€</i> 7.39	99.36	101.53	.032	.02,5
31		71 WQ)	Silo Aero	 						
32			Base	3.10		64.06	770.05	775 50	,,,,,,,	
33			- Silo	4.21		66.61	112.35	115.53	0	00
34		Jettisonad	Aero	7.56		66.87	100.32	100.55	100.	0
35_		Portion	Base	5,40		67.09	100.27	100.76	.001	001
136		r.	- Jett	193.70		60.97	98.41	100.97	.0:13	.018
132	47	Interstage 1-2 (Aft)			29,25	95.01	JOD.70	97.7p	.0'et-e	.014
20		(Aft)	Silo	3.37		96.69	300.34	100.59	.001	0
70	1.3	let Stage Engine	<u> Aero</u>	3.43.		97,71	101.98	103.41	.003.	0
177	70	Yar arade Fullus	Silo	0.00					•00 <i>ħ</i>	.115
42			Aero Aero	2.89		190,41	111.81;	120.45	0	.004
41. 42. 43			Ease	1.04		136.60	117.20	129.70	0	-001
44	49	Skirt ·	تاديد	7.00	286.92	309.40	100.00	100.00	0	0
45			Silo	17.57	2000	රට. 68.02	100.35	100.60	.064	·039
45 46			Aero			67.80	100.64	101.12	.004	-002
47 48			Base	3.33 40.60		69.10	101.70	102.76	.009	.006,
48		MISSILE			957.73					
49 50			<u>8110</u>	32.20						
50			Aero	21.25				:		
51			Base	58.71						
52		ocing Section St		285.3.5					,,	

* Bocing Section Stations (See Missile Station Diagram)
2-5550-0-58 VOL

ESC. PAGE 40

3.	31	MISSILE HO. 734 WEIGHT AND BALA		IARY		(T NO.	بالذ دودود والقواوي الدوام عود ألكان		
(1)	Τ.	MAJOR COMPONENTS	S S/N (0000238	JATOT	DATE		والمسدوا بدعوه فضيد ويرا	Till 1	ERTIA
LEGIS	033	DESCRIPTION	DATA	EXPENDED WEIGHT	WEIGHT	Centr	r of gra	VITY	SI,UG I	72x10-3
				(LB)	(LB)	LONG.*	LAT.	VERT.	KOLL	PITCH
1	41	RV Spacar]			<u> </u>	<u> </u>	
1-2	 	 	Silo				<u> </u>	ļ	<u> </u>	-
1	30	CTLI Section	Aero				· · · · ·		<u> </u>	
5	1	1.64 mm 26.67 M-1615	Silo	 		ļ	l	 	·	-
1.3		***************************************	Aero					 		
1 .	42	GRO Section			1.02	40.03	100.00	1.00.00	0	0
1-3	1 -		Silo	ļ					<u> </u>	J
10	h	3rd Stage Engine	Aero	 	- O C-	~~~~				
11	122	Dra stake tukine	Silo	.43	18.61	97.35 94.95	106.53 110.30	111.49	<u> </u>	003
122			Aero	.80	*	94.95	110.30	117.70	0	0
113			Base	-50		131.00	100.00	100.00	0	
14	15				119.78	59.78	100.13	101.49	.010	.006
15		(Fwd)	_Silo_	 					}	
16			Aeco	2.81		CT 00	7.007 53	100 (=	ļ	ļ <u>-</u>
18	-		Base Silo	1.92		57.33 61.11	107.51	108.65	Ŏ.	
19		Jettisoned .	Aero	3.40		61.59	100.27	100.47	0	, 0
20		Portion	Base					200.11	 	 \ \
21	ļ	r	- Jett	87.14		େ,,ଦେ	98.95	100.65	.008	.005
52	145	Interctage 2-3			63.80	49.63	99.30	101.59	.000	.003
23.	·	(Aft)	_Silo_	1.18	 -	80.97	1.00.50	100.84	0	<u>Q</u>
25	46	2nd Stage Engine	Vero	1.18	32.44	82.00 145.52	103.07 105.90	105.23	0	0
26.		CNAMES AREASTIC STATES	Silo	.63		99.62	112.30	110.27	.001	.018
27.			Vero	.53		99.62	112.30	121.20	0.	0
138		; ;	Base	1.80		189.25	100.00	100,00	Ō	0
	14.2.				243.66	67.41	99.22	101.55	.032	.022
30.		(Fwd)	<u>Silo</u>				·			
32			Aero Base	3.10		<u></u>				<u> </u>
33.	-		- Silo	4.21		64.06	112.35	115.53	00	9
34		Jetiloned]	Aero	7.56		66.87	100.32	100.55	.001	0 001
35		_Portion	_Base	5.40		67.09	100.27	100.76	.001	0
136	1.0	7	- Jett	109.89		50.93	98.24	700.98	8: 0.	.018
138	1,77	Interstage 1-2 (Aft)	647-	2 27	1.29.39	96.67	700.75	99.76	.024	·0].lt
38 39		/VT 0/	Silo Acro	3.37 3.41		96.69 97.71	100.34	100.59	.001	0
40	48	lot Stage Engine		1	62.88	533.50	101.98 110.35	103.41 117.57	.007 .007	.115
41	-		Silo	2.89		190.41	111.84	120.45	0	-112
42			Aero	1.04		136.60	117.20	129.70	0	.001
43	7.0	Skirt	Base	4.80		309.40	100.00	100.00	0	0
144	177	SK1.Tt	647 -	70 00	286.32	(3.05)	760.85	7.55.37	-064	.039
45 46			Silo Acro	17.57 3.33		68.02 67.80	100.35	100.60	.004	.002
47			Rase	40.60		69.10	100.64	101.12	.001 .009	.006
48		MISSILE			957-90	- 37:24			•009	.000
49 50			_Silo_	32.20				·		
50			Aero	21.25						
51 52			_Base_	58.71						
		and we Consider the	Jett	286.03					&i	

* Bocing Section Stations (See Missile Station Diagram)
2-5550-0-58

.(

SEC. NGS 1/2

3	. 32	WEICHT AND DALA	NCE SULA			REPOR DATE	T NO.	rind aga dini si Tirmulliya vesten i shir. i	Tudhanyarmusi Mushilyaana qaadii Ad	
1 77.27	25.5	MAJOR COMPONENT DESCRIPTION	BATA	EXPENDED	TOTAL	ļ	R OF GRA	V III. Denombrania		RTIA T2x10-3
	1 4		DATA	WEIGHT (LB)	(TB)	LONG.*	LAT.	VERT.	ROLL	PITCH
-	2	T MA OUNTO DE	Silo				 	ļ	ļ	
	3	· ·	Aero	-			 	 	 	-
	4 3	CTLI Section	1.010	***************************************	~ ~`~				ļ	
	5 [_		Silo		***************************************		1			
}	6		Aero							
-	7 4.	2 GAO Section			1.02	40.03	100.00	1.00.00	00	0
	8		Silo	- 			ļ			ļ
1	$2 \frac{1}{11}$	+ 3rd Stage Engine	<u> Aero</u>		30.60					
1		r ord Stage nakine	Silo	.43	18.52	97.17	106.56	111.54	1-0-	003
1	2		Aero	.80		94.95 94.95	110.30	117.70		Ω
1	3 -		Base	.20	······································	131:00	110.30	117.70	0 :	0
1		Interstage 2-3		:: <u>:</u> :/	119.12	59.84	100.00	101.58	.010	7.006
	5.	(Fwd)	Silo						×-×	-4-25
13.	6		Aero							
1			Base	2.81		57.33	107.51	108.65	0	,0
			- Silo	1.92	1	61.11	101.01	101.74	0.	0
119			<u> Aero</u>	3.40		61.59	100.27	100.47	0	0
, 20		Portion	Base	1						
2		Interstage 2-3	- Jett	86.48		<u> </u>	50.01r	1.00.77	.008	.005
2		(Aft)	Silo	1.18	63,36	02.64	99.33	101.39	-006	.003_
2		X04-Kd	Nrro	1.18		80.97 82.00	100.50	100.84 105.23	0	
1 2		2nd Stage Engine		1	32.57	145.71	103.07	110.23		
2	<u> </u>		Silo	.63		99.62	112.30	121.20	-001	.018
27	2		Agro	.53	*	99.62	112.30	121.20	0	0
21			Base	1.80		189.25	100.00	100.00	0	0
29		Interstage 1-2			241.70	67.53	99.54	101.54	.032	.022
30).	(Fwd)	_01.t2_			~				
[3]			Aero					.,		
32		·	_Pase_	3.10		64.06	112.35	115.53	. 0	. 0
3	-	- John -	Silo	4.2]		66.61	100.32	100.55	-001	. 0
35		Jettisoned Portion	_Aero_	7.56		66.87	100.10	100.17	001	001
36			Base _Jett	5.40 196.93		67.09 (ე.08	100.27	100.76	.001	
37	147	Interstage 1-2			128.25	Co.61	98.75	100.97	.028	.018
3E 3S	1	(Aft)	Silo	3.3"		96.69	100.76	<u>99.76</u> 100.59	.)24 .001	014
			Acro	3.41		97,71	101.98	103.41	.001	. 0
140	148	lot Stage Engine			63.62	224.41	72 0.23	117.36	+001+	,115
41	-	-	Silo	2.89		190.41	111.84	120.45	0	.004
42	-	 	Aero	1.04		136.60	117.20	129.70	0	.001
		Skirt	Base	4.80		309.40	100.00	100.00	0	0
11.0	177	OVIII	Silo	707 507	285.7:2	(3.40	23,00I	101.10	.064	.039
45	1		Voco	17.57		68.02	1.00.35	1:00.60	.004	.002
42			Reco Base	3.33		67. <i>8</i> 0 69.10	100.64 IO1.70	101.12	001	-0
48	<u> </u>	MISSILE	11000		954.53	<u> </u>	707-10	102.76	.009	.006
49				32.20	-1,1.0}	. ———		 -		
50			Acro	21.25						
51			Влае	58.71						
52	1_		Jett	283.41	-					

* Boeing Section Stations (See Missile Station Diagram)
2-5550-0-58

**REFERENCE | VOL | NO D2-18016-5 |
SEC. | PAGE 1/2

+ }

3.	-	MISSILE NO. 736 WEIGHT AND BALAN					I. 110°.	منا يرفع في المنافقة الله المنافقة المن	naybaan oo di dim tuny (,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
1.0		MAJOR CONTONEUR	S S/N OC	expended Expended	TOTAL	DATE			INE	KTÍA
LINE	SES	DESCRIPTION	DATA	WEIGHT	WEIGHT	*******	R OF GRA		SLUG F	T2x10-3
7	41	RV Spacar		(LB)	(LB)	J.ONG.*	LAT.	VERT.	ROLL	PITCH
_2	2.4.	200 2000	Silo							
3			Aero							
14	39	CTLI Section								
5		, a salit dan merupa na interresentamental a est secuentamental a est secuentamental de la company	Silo		,	,				ļ
	1.0	C2 C C	_Acro_	<u> </u>	1.02	80.94	100.00	1.00.00	0	-
? 8	44	G&C Section	Silo	ļ	1.04	00.54		. 1.00.00		
 9			Aero	· 						
	1414	3rd Stage Engine			18.60	97.33	106.53	111.49	0	.003
11	-		Silo	.43		94.95	110.30	117.70	0	0
12			Λero	.80		94.95	110.30	117.70	0 .	0
13	1. =		Base	.20		131:00	100.00	100.00	00	1 0
14	45	Interstage 2-3 (Fwd)	Silo		119.27	<u> 59.75</u>	100.11	101::53	.010	7006
15. 16		_\frac{rwq}{}	V0:50	 						 \
17				2.81		57.33	107.51	108.65	0	0
i8		Ti	Silo	1.92		61.11	101.01	101.74	0.	ō
19		Jett1soned	Aero	3,40		61.59	100.27	100.47	0	0
20_		Portion	Base							
<u>21</u>	,	, r	- Jett	86.63		62.66	98.91	100.72	.008	.005
	45	Interstage 2-3	~ ~ ~ ~		63.46	(0.64	99,30	101.39	-006	.003
23. .4		(Aft)	S1lo	1.18		80.97	100.50	100.84	<u> </u>	0
	46	2nd Stage Ongine	<u> </u>	1-1-10	₹2.62	82.00	103.07	105.23	.001	.018
26.	110.		Silo	.63	<u> </u>	99.62	112.30	121.20	0	0.010
27			Aero	.53		99.62	112.30	121.20	Ö	Ō
<u> 85</u>			Base	1.80		189.25	100.00	100.00	0	0
29	47.	Interstage 1-2			2l <u>4</u> 1.83	67.58	99.56	.101.50	.032	.055
<u> 30</u>		(Fvid)	Silo	<u> </u>			<u></u>			
31			<u> </u>							
<u>32</u> 33.		<u> </u>	Base Silo	3.10		66.61	112.35	115.53	0	<u> </u>
ンシュ 34 <u>-</u>		Jettlsoned	Aero	7.56		66.87	100.32	100.55 100.17	.001 .001	.001
35_		Portion	Rero	5.40	,	67.09	100.27	100,76	.001	001
36		<u> </u>	- Jett	197.06		67.72	93.65	100,02	<u>.078</u>	.618
37_	42	Interstage 1-2		-	128.32	95.63	100.75	99,76	.024	.014
38 39	ļ	(Aft)	Silo	3.37		96.69	100.34	100.59	.001	0
	48	lot Stage Engine	Aero	3.47	60.55	97.71	101.98	103.41	.00].	Ω
41	77.7	TOO DEARS DIKTHO	Silo	2.89	63.00	190.41	110.33	117:53	·00/+	.115
42			Aero	1.04		136.60	117.20	129,70	0	.001
43		7,	Base	4.80		309.40	100.00	100.00	0	- 001
	49	Skirt			205.62	7.3.7.7	700.50	201,02	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46.			Voro_	3.33		67.80	100.64	101.12	.001	0
47 48		<u> </u>	Base_	40.60		69.10	101.70	102.76	.009	.006
40. 49		MISSILE	C43-	22 20	950.74	ļ .		.;		
50 50			S119 Aero	32.20 21.25						,
51		· · ·	Base	58.71						
2 % 52			Jett	183.69		<u> </u>				

* Boeing Section Stations (See Missile Station Diagram)
2-5550-0-58

| NO D2-135\\ C-5 | PAGE 43

1.3		MISSILE NO. 737 WEIGHT AND BALAN			•	REPORT DATE	NO.			<u> </u>
10		MAJOR COMPÓNEMES 		CO223	TOTAL		OF GRAI	TUTU TUTU	INE	RTIA
LINE	SEC	DESCRIPTION	DATA	WEIGHT	WEIGHT					12x10-3
			***************************************	(LB)	(LB)	LONG.*	LAT.	VERT.	ROLL	PITCH
Ţ	42.	RV Spacer								
2_			<u>Silo</u>							
-3	70	CONT. T. C	Aero							
1	39	CTLI Section	Silo							
. 5			Aero							
2	42	G&C Section	ms:LQ		1.02	80.94	100.00	1.00.00	0	0
8	- :	14.20 TANK TANK TANK	Silo							
9			Aero							
10	1414	3rd Stage Engine			18.60	97.33	106.53	111.49	0	• .003
11			Silo	.43		94.95	1.10.30	117.70	0	0
12.			Aero	.80		94.95	110.30	117:70	0	0
13.	,		Base	.20		131:00	100.00	100.00	0	
14	45				118.79	59.85	100.19	101.51	.010	7006
15_		(Fwd)	Silo							
16	<u> </u>		<u>Auro</u>			677 00	7.007 53	700 75		ļ
172			Base	2.81		<u>57.33</u>	107.51	108.65	0	0
18	-	7.444	- Silo	1.92 3.40		61.11	101.01	100.47	0	
19	-	Jettisoned Portion	Aero	1 3.4Q		01.29	100.21	700.41	<u> </u>	
20	 	POTCION ~	<u>Base</u> - Jett	85.15		31.81	99.01	100:68	.008	.005
	45	Interstage 2-3	0600	1 000.1.7	63.14	CO.64	99.30	101.39	.006	.003
23	1	(Aft)	Silo	1.18		80.97	100.50	100.84	0	0
214			Aero	1.18		82.00	103.07	105.23	Ö	Ö
25.	46	2nd Stage Engine			22.47	3.45.57	105.90	110.25	.001	.018
26.			Silo	.63		99.62	112.30	121.20	0	0
27.	ļ		_Aero_	.53	,	99.62	112.30	121.20	0	0
28		:	Base	1.80		189.25	100.00	100.00	0	0
1	42	Interstage 1-2		<u> </u>	242.97	67.15	99.72	101,65	.Q32	.022
30	ļ <u> </u>	(Fwd)	<u>Silo</u>				·			
31			<u>Aero</u>	<u> </u>					ļ	
32	ļ	į	Base	3.10		64.06	112.35	115.53	0	0
33 34	-		- <u>Silo</u>	4.21 7.56		66.61	100.32	100.55	<u>-001</u>	<u> </u>
35		Jettisoned	_Aero_	5.40		67.09	100.10	100,17		001
76	 	Portion	Base - Jett	198.20		60.61	100.27 98.66	100.76	.001 .073	.018
32	42	Interstage 1-2	0000	t historia.	123.98				024	.014
38	1	(Aft)	Silo	3.37	1	96.69	100.76	100.59	.001	0
39		:	Acro	3.42		97,71	101.98	303.41	.00.1	Ö
40	48	lot Stage Engine			63.35	351.07	110.23	117.74	100.	.115
41	-		Silo	2.89		190.41	1.11.84	120.45	0	-001
42			Aero	1.04		136.60	117.20	129.70	0	.001
43		1	Base	4.80		309.40	100.00	100.00	0	0
		Skirt		 	286.97	65.52	3.00.0%	707.05	.064	.039
145		<u> </u>	Silo	17.57	<u> </u>	68.02	100.35	100,60	.004	.002
46		<u> </u>	_Aero_	3.33	<u> </u>	67.80	100.64	101.12	.001	006
48		MISSILE	_Base_	40.00	255.29	69.10	101.70	102.76	.009	.006
49		114001110	Silo	32.20	1.2.29	 			 	
50			Aero	21.25		 			 	
57	1		Bage	58.71	 	 	<u> </u>			
51. 52	1	*1	Jett	29), 25	<u> </u>				50	
مجيد	-		<u> </u>	1		 	I		10	

* Boeing Section Stations (See Missile Station Diagram)
2-5550-0-58

**Roeing Section Stations (See Missile Station Diagram)

**Roeing Section Station Diagram (See Missile S

3.3		MISSILE NO. 738 WEIGHT AND DALAN	ICE SULM	ARY	<u>and the first state of the firs</u>	REPOR!	P NO.	age land annual surprise surprise fine from the surprise		
:		MAJOR COMPONERED		0000239		DATE		the sector than a substitute of the	intheres da si eduque e	-incombs - newstran-
LINE	330.	DESCRIPTION	DATA	EXPENDED WEIGHT	TOTAL WEIGHT	CENTE	R OF GRA	YYY	INE SLUG F	KTIA T2x10-3
17	(1)	DENSORIE E EUR	***************************************	(LB)	(LB)	Y.ONG.*	LAT.	VERT.	ROLL	PILCH
1	47	RV Spacer								
_2			Silo	<u> </u>						ļ.:
3			Aéro							ļ
4	39	CTLI Section					<u> </u>		**********	
. <u>5</u> .			Silo							
	1. 5	000	_Aero_		1.02	80.94	100.00	1.00.00	0	0
Z 8	42	G&C Section	017		1.02	<u> </u>	.100.00	2.00.00	<u>~</u>	<u></u>
9			Silo Aero	ļ						
10	lili	3rd Stage Engine	мего	}	18.61	97.35	106.53	111.49	0	*.003
11	11	Jiu brake 1-11Kille	Silo	.43	20.01	94.95	1.10.30	117.70	0	0
12			Aero	.80	,	94.95	110.30	117.70	0	0
17			Base	.20		131:00	100.00	100.00	0	0
14	45	Interstage 2-3			119.33	59.72	100.06	101.41	.010	.006
15		(Fwd)	Silo							
16			Aero							<u></u>
17_	٠		Base	2.81		<u>57.33</u>	1.07.51	108.65	0	0
18	·	<u> </u>	- Silo	1.92		61.11	101.01	101.74	<u>o</u> .	0
19		Jettisoned	<u> Aero</u>	3.40		61.59	100.27	100.47	0	0
20		Portion	Base	10000						
51	-		- Jett	86.69		61.61	98.85	100.54	.008	1005
22.	45	Interstage 2-3			63.50	£5.64	99.30	101.39	.006	<u>.003</u>
23. 24		(Aft)	Silo_	1.18	 	80.97	100.50	100.84	<u>, 0</u>	0
	1.6	2nd Stage Engine	Aero	1.10	20.50	82.00 145.73	103.07	105.23		.018
25. 26.	ĽťΩ	COR STAKE WIRTHE	Silo	.63	32.58	99.62	112.30	121.20	.001	
27			Aero	.53		99.62	112.30	121.20	0 .	0
28			Base	1.80	 	189.25	100.00	100.00	0	0
	47	Interstage 1-2			243.94	67.48	99.51	101:69	.032	:022
30		(Fwd)	Silo	1	1-7-31-77	01:10	77.71	101.00	• (V.)&	1
31			Aero				 			
32		• • • • • • • • • • • • • • • • • • • •	Base	3.10		64.06	112.35	115.53	Q	0
33		Ĺ r	- Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100,17	,001	1001
35_		Portion	_Base_	5.40		67.09	100.27	100.76	.001	0
36	ļ	Interstage 1-2	- Jett	1.99.17	<u> </u>	69.01	98.60	101,16	.ე28	.018
137.	42	Interstage 1-2		-	129.56	95,67	200.76	99.45	•004	.01/4
بر 39		(Aft)	Silo	3.37		96.69	100.34	100.59	.001	0
	1, 0	let Stage Engine	_Acro_	3.41	65 OF	97.71	301.98		.001	<u> </u>
47	40	Tar orage rugino	Silo	2.89	63.87	224.70	111.84	117.29	1,001	115
42	-	 	Aero	1.04		190.41	117.20	120.45	0	.0014
43		·	Base	4.80	 	309.40	100.00	129,70	0	.001
	40	Skirt	2,036		286.47	68.46	300.00	301.02	.064	.039
45	1		Silo	17.57	CON TO	68.02	100.35	1.00,60	.004	.005
46			Agro	3.33		67.80	100.64	101.12	.001	0
42		, ";	Base	40.60		69.10	101.70	102.76	1009	.006
48		MISSILE			958.88	<u> </u>				1
49		••	Silo	32.20				· · · · · · · · · · · · · · · · · · ·		
50			Aero	21.25	•					· ·
50 51. 52			Base	58.71			·			
152	1	•	Jett	235,86				· · · · · · · · · · · · · · · · · · ·		··

* Boeing Section Stations (See Missile Station Diagram)
2-5550-0-58

**Roeing Section Stations (See Missile Station Diagram)
**PRESSORT VOL NO D2-13946-5
SEC. PAGE 45

	MEAN WEIGHT CO			,	REPORT	. NO.	دور دور ۱ (بارهندستانس <u>ر چون پر دور</u> در از ا	ing planter and regarding the conference of	id into 1881, material area of 880
·····	(APPLICABLE TO				DATE	#1W-15			
BC.	DESCRIPTION		expended Veight	WEIGHT	CENTER		/ITY	elug f	RTIA T2x10-3
	AND THE RESIDENCE OF THE PARTY	***************************************	(LE)	(IB)	LONG.	LAT.	VERT.	ROLL	PITCH
4.1	KV Spacer	C 2 7 -	 			·			ļ
			 					················	
39	CTLI Section	3 to 1.5 in 1.5							
		Silo							
1	00 a a	Aero	ļ			7.00	300.00		
43	G&C Section	0 - 1	 	1.02	00.94	T00.00	T00.00		
	····		 						
44	3rd Stage Engine		1	12.71	80.65	109.56	116.82		
		Silo							
	****	Aero							
1. =	Takanska	Base							
45		Cala	<u> </u>	1.8.57	59.49	105.24	107.52		<u> </u>
	(T. M.(T.)		 						
i		Base	<u> </u>						
:	- i	- Silo					1		
اـــــــــــــــــــــــــــــــــــــ	Jettisoned	Aero	ļ						
	Portion		6.00						 `\
u=	Interested 2 T	<u>1366</u>	7.68	77 63				- India of an algorithm of a second section of	<u> </u>
<u>, , , , , , , , , , , , , , , , , , , </u>		Silo		1.07	57.19	90.29	90.54		
	•	Aero			 				
46	2nd Stage Ingine			16.89	102.11	111.34	119,73	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
		Silo							
					 				
47	Interest 7 7			00 7)	4 7 7 7	705 60			<u> </u>
7/		Sila	 	<u> </u>	00.13	702.05	777.0(
		Aero			 	·			
		Base							
ļ									
					<u> </u>				
	rortion U	<u> Hase</u> - Jett	9,35		68 33	96.70	100.50		
47	Interstage 1-2			8.56		ه د د د میشوند د د د د د د د د د د د د د د د د د د			
	(Aft)	Silo			1,000				
	<u> </u>	Aero							
48	1st Stage Engine	0.5		38.09	1.61.19	117.09	129.00		
									
			}		 				
49	Skirt	2006		14.47	62.87	106.80	710.70	· · · · · · · · · · · · · · · · · · ·	
		Silo				200.04			
		Aero							
	MICCITE	Base	<u></u>						*1
	WISSILE	C47 -		140.06					· ·
									
-	• :			· · · · · · · · · · · · · · · · · · ·					
:		Jett							
	39 1-2 1-45 1-45 1-45 1-47 1-47 1-47 1-48	41 RV Spacer 39 CTLI Section 42 G&C Section 44 3rd Stage Engine 45 Interstage 2-3 (Fwd) 46 Interstage 2-5 (Aft) 46 2nd Stage Incine 47 Interstage 1-2 (Fwd) 48 1st Stage Engine 49 Skirt MISSILE	### RV Spacer Silo Aero	### DESCRIPTION DATA (LE) ### RV Spacer Silo Aero	### DESCRIPTION DATA WEIGHT (LB) ### RV Spacer Silo	### RV Spacer Silo Aero Aero	### DESCRIPTION DATA WEIGHT (LB) CONG.* LAY. ### RV Spacer Silo Aero Silo	DESCRIPTION DATA WHIGHT LONG.** LAY. VERT.	DESCRIPTION DATA UNIGHT LD LONG.** LAY. VERT. ROLL

* Boeing Section Stations (See Missile Diagram)

2-5550-0-58
** Beeing Section Stations (See Missile Diagram)

Compared Vol. | No.DQ=132\hG-5 |

these licips. | PAGE 1/5

	H			NAJ			T	T		П	Ĭ		T			T	T	Ī								Ĭ			لمنتها
(DATE)	MISSILE	SILED SILE	OLE UEIG	प्रशःस्य ।].					Ì						200.2	escar.
1 1 1		CIAED	OLE BECE	KEH V2 1																	\rfloor				1	1	\downarrow	1	
CHECK ING	ENT	IL SILE	SHEN OLE					_					_			_	_	_		_	_	_	\downarrow	-	_	_		1	
1 1 1	COMPONENT	ļ.,	יוניה	 AEI			_	+	-		-		_	4-1	1	-	+	-		-	-	_	+	+	4	+	-	+	
ORD OF	8	}`		SA	\vdash		-	-	-		-	\vdash	-	-	-	+	╀	-		-	-	-	\dashv	\dashv	+	\dashv	+	\dashv	
	 	}	OI	NEI BVS:	\vdash	H	+	+	-	H	+	H	+	-		-	+	-		-		-	\dashv	\dashv	+	\dashv	+	+	
	Y		بالمانية المانية	Z ARM																				ŀ					,
	21-52150-4	683-733		Y ARM									THOSE														-		
	-	1	10.	X.AEE.							†	1 1	TICAL TO			1						•		+					
Ę,	N DKC	E 100.	RT N	-	-			+	-	H	-			+		\dashv	+	\vdash					-	-	1	\dashv	+	1	
ECK LIS	SEMBLY DRAWING NO.	MISSILE	COMPONENT PART NO.	WEIGHT									9 ARE J																
SURMAR MISSILE WEIGHING CHECK LIST			COMPO	NO.			i						THE THE THE			1					·								,
E WEIGH	FINAL ;			:PART								1 1	५२ प्राप	10.10H 26															\
MISSIL				11				+					SECTIONS	20 距		-		-											
DESAR	33A			-							Ì		FOR SE	PAGES															
253	VS-133A	All		N(1	מז	cc												;			
4.0	計		Į K	PPTC									X III	1304												,		; }	,
4	HODEL	SECTION	HISSILE COMPONENT	DESCRIPTION									SUCCIANT OFFICK LIST	FCJFD IN D2-1.3946-			Ì					.,							
		SE	E3 CO	١,									CIME													.			
r NO.			ISSIL	1									Sil	Į.															
LIS			缸																								;		
CHECK LIST NO.	DATE	RER	₹UN	٠		+		-	-	-	_						-												_

2-5550-0-21

No. D2-13946-5 PAGE 47

ENGINEERING CHANGE PROPOSAL (ECP) INCOMPLICA APPLICABLE TO WING IT MISSILIE CC8-738

The following EOP's have not been incorporated into "Model Specification, Guided Massile Main Assemblage (S-133-1000-0-1)" dated 15 March 1963. However, the mass properties of these ECP's have been incorporated into this report unless otherwise noted. ECP's applicable to the CTLI components will be found in D2-13943-2, "Flight Article Mass Properties for CTLI Installations".

All changes incorporated in components at time of delivery to Plant 77 have been incorporated in the Model Specification.

U3 4288 2000 REV. 8/62

5.0

2-5142-2

REV SYM_

PAGE 48

DITA	OPR-2079 3/28/63	(1) 15,020.000	
STAGE 2-3	7 РАСБ РАСБ NO. 0 V/JH/HC PAGE NO. 0 VR DATE 3/	FIGURE II) Y2	
ACTUAL WEIGHT RECORD - INTERSTAGE	J. 25-36103-1 CHECK LIST NO. 11eq. REPORTED BY TO CHECKED BY	DATA PATA PATA PATA PATA PATA	
6.1.1		HRE I) By By By By By By By By By B	KIND DADAFTER AND STREET STORES OF STREET
SERIAL NUMBER: 0000207	U/O MISSILE 673 MISSILE MODEL WS-133 CONFIGURATION TAH	A1 A2 A1 A2 A1 C C C C C C C C C C C C C C C C C C C	
	0/0 H 0/0 H 0/0 H 0-16	REACTION REPERENCE DATUM TOTAL REFERENCE DATUM REPERENCE DATUM RECTION REPERENCE DATUM	

2-7824-0-16

PORING D2-13946-5

Serial Number: 0000207	
6501	
Fig "A" Number:	

2-5550-0-21

© № D2-13916-5

Fig. "A" Humber: 6501

Serial Number: 0000207

(E			GILSSIE			UAJ		T	I							7						\prod	1									
(DATE)	1 1	+	HIS	ZILE HED ZILE	DIEM MEIGI	V2 /		_	-	-	_			4	_	_	_	_	_		_				-	STATE .	Lugate.					, Par
N. Did	-	+	EH .	21LE INED L	PHEN	IHS	$\mid \cdot \mid$	+	+	+	ŀ			-	-	-	-	-	_	-	\dashv	+	+	-	-	-			-	+	\dashv	
CR:	1 1	+	COMPONENT	FLIS	OTE 3	BEH	Н	+	+	+	-			-	-	-		\dashv	-	+	\dashv	╁	+	+			-		\dashv	\dashv	1	
O.F.	8 0	355	COMP		HED	NEI		+	× >	 	×	×		1		1			-		1	+	\dagger	1	T	†	-		1	1	Ì	_
RECORD			,		3HL. IC	MEIC		1	× Þ	۲×	Ж	×			·								1									_
RE	150 150	Y T				Z ARM																										•
		0170			d	Y ARM		1																								
		ණ. හු-5		0. 690	No. Foted	X ARM											٠														+	-
	K LIST	FINAL ASSE-EBLY DRAWING NO. 21-52150	••	MISSILE NO.	"D LISSILHCOMPONENT PART NO.	WEIGHT							•										+				-					_
	ING CHEC	SSEMBLY			лсомроив	-		_	11-4-4	41-7	C.								-				+	-								_
	HISSITE WEIGHING CHECK LIST	FINAL A			TISSIN O	PART NO.			BACB30FM-4-4		EB 5-0															,						
	HISSI		1						9	700																				,		
	6.1.1.	3-133		2	r SECTION OUT	1		COLUMNIA (.	:
	6.	MODEL WS-133		N 45	COMPONENTEDDY	DESCRIPTION		Н	ad.	7 7																						;
		Į.	:	SECTION	COMPON	DESC		CONY SPOTTON ASSY	Eolt 1000 Head	1000 Foad	on	60									***************************************											
	NO.			1	HISSILE			SFCTT	1	707.6	12	Fyd. Ring																				ľ
	CHECK LIST NO.	7			MI			YOUY		2 6	L L	PA																				
	CHECK	DATE		BER	MUM	HELI			1														1		T							

PAGE 51

间日	EOT ING	CES 2-3 LOT NO.	ı	AFO4(694)-046		RE DA	REPORT NO DATE	. <u>OPR-207</u> 2	. El c	
[[일]	VS-133 0000207		25-36103-1	103-1		PR	PREPARED APPROVED	H. CHRISTI G. ROBENTS	CHRISTIAISEI ROBENTS	
-	ESHARD TREATURE	· · · · · · · · · · · · · · · · · · ·				METGHT	WETTHT AND BALANCE	LANCE		
		7170000	URTGHT		X AX	AXIS	Ā	AXIS	Z	AXIS
S3	DESCRIPTION	n of equiphent	TOTAL	ARM		KOMENT	ARM	MOMENT	ARM	NOMENT
100	Body Section	: Weithed)	157.85	19		10.610.7	99.29	15,673.6	100.97	15,936.1
							·			
1		ردود استانها والمستانية مستوساتين والمستوانية والمراودة والمراودة والمراودة		-	-					
ł				-	-					
1										
	DEDUCE:	والمراجعة	0	<u> </u>	_					
						•	•			
- 1:				7	-		2.0		100	, , , , , , , ,
rni	Body Section	(Comolete)	157.85	5 67.22		10,610.7	99.29	15,673.6	100.97	15,930.1
				+	-					
				-						
					_					
		•					•			
						1				
			•	,						
					-					
			· .		_					
					•					
				_						
•										
				-	_					

PAGE 52

; }}

	6.1.2 WEIGHT AND BALANCE CHANGE RECORD	BALANCE CH	ANGE REC	GEO.				
ASSOCIATE CON	CONTRACTOR BOETTR CONTRACT NO.	AFO4(694)-046	940-(RE	REPORT NO.	033-2082 14/2/63	01	
SERIAL NO.		25-36103-1 697	-1	PF AF	PREPARED APPROVED	. H. CIRUSTI G. ROBERES	CIRCETAL S. ROBERTS	
	CHANGE RECORD			WEIGHT	WEIGHT AND BALANCE	ANCE		
		WEIGHT	× ·	AXIS	. 24	AXIS	2	AXIS
PAKT NO.	DESCRIPTION OF EQUIPMENT		ARM	HOMENT	ARM	HOMENT	ARN	MOMENT
7 254103-1	Pody Section (As Unighted)	157.57	67.35	० प्राप्त	00,00	15.618.6	101	15,890.B
3								
4								
5	ADD;	0						
. 9							·	•
2								
	DEDUCE:	0						
6					•			
. OL								
12 25-36103-1	Body Section (Commiste)	1.57.:	67.35	10,594.9	99.29	15,618.6	101.02	15,890.8
77								
7								
14								,
2								
9							•	
3								
7.9			•					
~				,				
3						•		
100								
7								,
28								
9								
30								
32								
			,					

NO. D2-13946-5

	155		AXIS	NOMENT	15,933.4						15,938.4																		
	. 2024 /63 CHRISTLARSTA		160	ARM	1,6.001						100.04																		
	CFR-20C4 1/1/63 H. CHRISTI G. NOELETS	. DWV	AXIS	NOMENT	15.699.3						15,699.3																	***************************************	
	REPORT MO. DATE PREPARED APPROVED	THE TOTAL ONLY	AILS DA								99.43																		
ORD	DATE DATE PREPA	いまればれ	AXIS	MONENT							10,625.4																		
ANGE REC	.1		×	1	67.29						67.29	ŀ																	
BALANCE CH	AFO4(694)-046 25-36103-1 702		E. J. C.	7 25123	157.93		0		0		157.90																		
6.1.3 WEIGHT AND BALANCE CHANGE RECORD	CONTEACT NO. 2-3 LOT NO. DRAWING NO. U.O. MISSILE		CHANGE RECORD	DESCRIPTION OF EQUIPMENT	ction (//s Heiched)						ction (Complete)																		
	CONTRACTOR EX		EQUIPAETT CHANGE	SEC	Body Section		ADD:		DELUCT:		Body Section												,					<u>\</u> -	
	ASSOCIATE CON COMPONENT HODEL NO. SERIAL NO.		'INE	PART MO.	1) 2,85-35103-1	4	5	7	8	9	11 25-36103-1	12	13	14	27	1	3	19	20	21	2	2	-1-	2	0 5	28	20	31	32 *

PAGE 54

NO. D2-13946-5 >

		6.1.5 WEIGHT AND BALANCE CHANGE RECORD	BALANCE CH	ANGE RE	.			.	
₹ Ö	ASSOCIATE CONS COMPONENT	CONTRACTOR EDETING CONTRACT NO. INTERSTAGE 2-3 LOT NO.	AFO4(694)-046	9:10-(B. D.	REPORT NO. DATE	3/26/63		
Ξ O	HODEL NO. SERIAL NO.	DRAWING NO.	25-36103-1 683	7	A PE	PREPARED APPROVED	R. ST. FOY	ROMATIN RTIS	
E		BOUTPARM CHANGE RECORD			WEIGH	WEIGHT AND BALANCE	ANCE		
r In		machagaine to managaranoone	WEIGHT	×	AXIS	Y	AXIS	Z	AXIS
!	PART NO.	DESCRIPTION OF EQUIPMENT		ARH	MOMENT	ARM	HOMENT	ARM	MOHENT
7	25-361.03-1	Body Section (As Weighed)	157.00	67.39	10,580.6	29.41	15,607.9	101.01	15,858.0
M-3	,					•			
J.		ADD:	0						
9									
7									
∞		DEDUCT:	0						
9									
3 =	25-36103-1	Body Section (Complete)	157.00	67.39	10,580.6	99.41	15,607.9.	101.01	15,858.0
12									•
13						·			
14									
5									
97									
27	`								
2									
19	•								•
ଯ									
21					٠				
22					,	,			
23									
77									
25									
56							,		
8									
82					٠		,		
29									
8	•								
3									
32									
									F

NO. D2-1 3946-5

			ייס מיסוו אַ דַּיּ מַ		day					
		6.1.6 WEIGHT AND BALANCE CHANGE RECORD	BALANCE CH	ANGE KEU	OKD					
¥ 5	ASSOCIATE CON	CONTRACTOR FORTIG CONTRACT NO.	AFO4 (694)-046	970-(REDA	REPORT NO	· 202-830	60		
2 × 2	NODEL NO. SERIAL NO.		25-36103-1 693	1-	PR	PREPARED APPROVED	V. BAIRD G. ROBER	BAIRD ROBERIS		
NE		EQUIPMENT CHANGE RECORD			WEIGHT	ATD B	LANCE		1 1	,
rı,	FART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	ARM	AXIS NO:TEMT	ARM	AXIS NOMENT	ARM	AXIS	
	4	Dail. Cooks on (Apr 11 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	156, 55	-	10 CSD R	00	15 558 A	(i)	7 70K F	,
		euri I	77:07:	2	7.6(27,507		2.57717	2	2/11/2	
- J	ک									
5		ADD:	0							
20										
V		To the second of the								
ত ব		DEDUCE:	0			·				
3/5										
3 5	25-36103-1	Podv Section (Camlete)	156.55	67.138	10, 563, 5	99,39	15,558.8	100.93	15.796.6	.,
		7			7.1.2	77				
13										
14					•					
3.5										, ,
19					,					
3.7										
18						·			•	 ,
39	,									٠
ର										
7										
22					•				,	
23										 ,
77		•								
127										
8					•					<u>. </u>
8										,
28										<u></u>
29			,							
S			•							
3.1										
32										
1				+						7

PAGE 57

			t diff. mintair	DO TOWN THE	Jad anky	ממטי				
		6.1.7	WEIGHT AND DALANCE UNANGE RECORD	DALANCE OR	ANGE REC	ORU				
¥ 5	ASSOCIATE CONT	CONTRACTOR EDELING	CONTRACT NO.	AFO4 (694)-046	970-(RE	REPORT NO. DATE	OPR-2083	83	
S X C	SERIAL NO.	1 1 1	DRAWING NO.	25-36103-1 700	-1	PR	PREPARED APPROVED	R. ST.	ST. ROTAL: ROBERTS	
E		KOHTPMENT CHANGE RECORD				VEIGHT	VEIGHT AND BALANCE	LANCE		
רי בא				WETGHT	×	AXIS	M	AXIS	2	AXIS
	PART NO.	DESCRIPTION OF E	OF. EQUIPMENT.		ARM	NOMENT	ARM	MOMENT	ARM	MOMENT
급 2	25-35103-1	Eody Section (As Weighed,	lghed)	157.15	67.27	10,571.4	99.39	15,618.8	76.001	15,867.5
m-	,									
r u		ADD:		0						
9										
7		the property of the								
∞		DEDJCT:		0						
100										
	25-36103-1	Body Section (Complete	ete)	157.15	67.27	10,571.4	99.39	15,618.8	100.97	15,867.5
13										
7,										
5										
97										
7										
28							•			
9	,	-			:			,		
ର :										
7 5										
3 6										
0										
7		****								
2										
26										
Z							•			
28										
29			٠							
30	•									
31				3						
\$ 32										

| NO. D2-13946-5 | PAGE | 58 |

		ANSER		ZA	ARM NOMENT	.97 15.953.9					┤╌┼	.97 15,953.9								-			,										
	14/8	H. CHRISTIANSER	LANCE	AXIS	MOMENT	15,701.0 100.97					•	15,701.0 100.97																					
	REPORT NO. DATE	PREPARED APPROVED	WEIGHT AND BALANCE	X	NT ARM	6.5 99.37					-	6.5 99.37							-													_	
GE RECORD	940		M	X AXIS	ARM NOMENT	67.38 10,046.5					++	67.38 10,646.5					-						-								-		,
WEIGHT AND BALANCE CHANGE RECORD	AF04(694)-046	25-35103-1 704	`	HEIGHT		158.00 6				0	$ \cdot $	158.00 6				1																	
6.1.8 WEIGHT AND	CONTRACTOR BORING CONTRACT NO. INTERSTAGE 2-3 LOT NO.	1 1 1	EDITPMENT CHANGE RECORD		DESCRIPTION OF EQUIPMENT	Body Section (As Weighed)	АТТ.	Turk.	Tarry a process of	UEDUCII:		Body Section (Complete)													. 1.								`
	ASSOCIATE CONCOMPONENT	MODEL NO. SERIAL NO.			PART NO.	2 25-36103-1	17	9	2	0 0	10	11 25-36103-1	12	13	14	15	16	Žτ	18	19	ଯ	22	22	23	24	25	26	. 22	28	29	30	31	32

PAGE 59

	6.1.9 WEIGHT AND BALANCE CHANGE RECORD	BALANCE CH	LANGE RE	CORD				
ASSOCIATE CONTRACTOR	N F	AFO4(694)-046	940-(RE	REPORT NO	OPR-2088	82 ~	
HODEL NO.		25-36103-1 709		AP PE	PREPARED APPROVED	R. ST. G. ROBE	ST. ROMAIN ROBERTS	
1	EDITPMENT CHANGE RECORD			WEIGHT	ON P	BALANCE		
FA PART NO.	DESCRIPTIO	WEIGHT	X ARM	AXIS	Y	AXIS	ARM L	AXIS
1								
2 25-36103-1	1 Body Section (As Weighed)	156.35	67.31	10,5:3.2	99.31	15,527.8	100.98	15,787.5
4 174	ADD:	0						
2								
8 6	DEDUCT:	0						•
10						a	90	15 787 5
11 25-36103-1	1 Body Section (Complete)	156.35	67.31	10,523.2	99.31	- 1	00.70	12, [0] . 7
13								
14								
15								
16								
18		,						
19								
25								
22								
23				,			'	
24								
25								
26								
ŽZ					-			
28			,				-	
29								
2 12			-					
32	The second secon				<u>.</u>			
1		<u> </u>						

PAGE 60

1)

BIERCE DI NO. D2-13946-5 PAGE 61

1)

DECOURTE ONTENCIOR POSITION PARTICLES CANNES RECORD									
ONTRACTOR EDELIG CONTRACT NO. ATOM (694)-046 REPORT NO. COR-2002 LITHICIDAD DELIANOR NO. 25-36103-1 APPROVED G. ROBERTS DELIANOR DELIANOR NO. MEIGHT AND NO. MEIGHT AND NO. PEQUIPMENT (ALM NO. MEIGHT AND NO. MEIGHT A			ND BALLARCE CH	ANGE KE	OKD				,
National State Nati		BOETHG	l	970-(1	RE	. W. I		22 %	
### PROOFED NEEDEN WEIGHT AND BALANCE EQUIPMENT ARM MOMENT ARM ARM MOMENT ARM MOMENT ARM ARM MOMENT ARM	DEL NO. RIAL NO.	WS-133 0000219	1 1 1	3-1	PR AP	EPARED PROVED	JIM HUI G. ROBI	T. FRTS	
DESCRIPTION OF EQUIPMENT ARM MOMENT ARM MOMENT ARM MOMENT ARM		1			WEIGHT	AND BAI	ANCE		
Description of Equipment Arm Monent Arm Monent Arm			WEIGHT	×	AXIS		AXIS		XIS
ADD: O DEDUCT: Dedy Section (As Weighed) 156.30 67.27 10.514.7 99.39 15,535.1 100.95 DEDUCT: Dedy Section (Complete) 156.30 67.27 10.514.7 99.39 15,535.1 100.95	PART NO.	DESCRIPTION OF		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
ADD: DEDUCTI. DEDUCTI. Dedy Section (Complete) 156.30 67.27 10.514.7 99.39 15,535.1 100.95	25-36103-	Body Section (156.30	67.27	10,514.7	99.39	15,535.1		15,779.8
ADD: DEDUCT: DEDUCT: 0 DEDUCT: 0 Body Section (Complete) 156.30 67.27 10.514.7 99.39 15,535.1 100.95									
DEDUCT: 0 Body Section (Complete) 156.30 67.27 10,514.7 99.39 15,535.1 100.95		ADD:	0						
Body Section (Complete) 156.30 67.27 10.514.7 99.39 15,535.1 100.95		Patriaria							
Body Section (Complete) 156.30 67.27 10.514.7 99.39 15,535.1 100.95		DEBOOK	0						
	50176 36	Body Cooting	00 931	67 07	7 1/13 01	00	. ר שנש שו		15 770 B
		ווסדיז הפת להחסד	720.30	2.10	10,714.	22.22	17,737.1		7,112.0
			-			-			
									,
					,			-	
					,				
								-	
								-	
			•						
								<u> </u>	
					.				

PAGE 62

PAGE 63

ij

ASSOCIATE CONT COMPOSITY HODEL NO. SERIAL NO. PART NO. PART NO. PART NO. PART NO. PART NO. PART NO. PART NO. PART NO. PART NO. PART NO. PART NO. PART NO. PART NO. PART N	CONTRACTOR BOET:0	AFO4(694)-046 25-36103-1 711 711 0 0 0 0 156.30 67.2	ANGE RED -1 -1 67.23 67.23	N. 37 (3.37	31.0	0.97 0.	AXIS NOMENT 15,781.1	·

PAGE 64

, }

	7.7. TTOTT'	TOTAL TOTAL COLUMN CONTROL TOTAL		9				
ASSOCIATE CONT COMPONENT	CO C	AF 04(694)	AF 04(694)-046		REPORT NO. DATE	OPR-2091 4-18-63 T. VOGEL	091 63 981,	
SERIAL NO.		714	7	AP AP	APPROVED	G. FO	ROBERTS	
	GROOM CHANCE			WEIGHT	A TO BALANCE	ANCE		
İ	TOOTH	VEIGHT	×	AXIS	X	AXIS	2	AXIS
PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MONENT	ARM	MOMENT	ARM	MOMENT
25-35103-1	Body Section (As Weighed)	156.20	67.40	10,523,4	99.37	15,521.0	100.93	15.756.7
	ADD:	0						
	DEDUCT:	.0						
25-35103-1	Body Section (Complete)	156,20	67.40	10,528.4	99,37	15,521.0 100.93	100.93	15,756.7
,					-			
								·
		,						

PAGE 65

		6.1.15 WEIGHT AND BALANCE CHANGE RECORD	BALLANCE CH	ANGE REC	CORD				
ા ⊲લ છે	ASSOCIATE CONT	CONTRACTOR EDELIGE CONTRACT NO.	AFO4(694)-046)-046	RE DA	REPORT NO.	OPR-2094 4/23/63	46	
E O	MODEL NO. SERIAL NO.		25-361 3-1	-1	PR PR	PREPARED APPROVED	W. PAIRD G. ROBER	EAIRD ROBERTS	
NE		EQUIPMENT CHANGE RECORD			WEIGHT AND	ALD BAI	BALANCE		
	PART NO.	DESCRIPTION OF EQUIPMENT	THOIEM	ARM	AXIS	ARM	AXIS	ARM 7	NOMENT
7-1									
7 m.	25-36103-1	Body Section (As Weighed)	156.70	67.35	10,554.1	99.39	15,575.1	100.99	15,625.3
Ŧ 7		7. P.							
2		ADD:	0						
112									
∞		DRDICT:	c						
9									
30							•		
45	25-36103-1	Body Section (Complete)	156.70	67.35	10,554.1	99.39	15,575.1	100.99	15,825.3
13									
14			1						
15									
17									
_									
ଯ									
21									
~1									
						•			
112						·			
28									
125					-				
Š									
汉									
ı									

PAGE 66

NO. D2-13946-5

			NO: TT	15,796.5						15,796.5			T			T								1				$ \top $	T	
		STXL 3	?				_		_		-		-			+	-	-			-		-		+		-		+	
	1-2099 16/63 1 HILL ROBERTS		WEW	100.90	<u>.</u>					100.90					_									_	1		-	_	-	_
	OPR-2099 4/26/63 JIM HILL G. ROBER	ANCE	MOMENT	15,553.3						15,553.3																			•	
	REPORT NO. DATE PREPARED APPROVED	AND BAT		99.35						99.35																				
CORD	REPOI DATE PREPA APPR	WEIGHT	POMENT	10,520.4						10,520.4		•									•									
ANGE REC)-046	>	ARM	67.20						67.20												·								
SALANCE CH	AFO4 (694) -046 25-36103-1 724		THOISM.	156.55		0		0		156.55																		. }		
6.1.17 WEIGHT AND BALANCE CHANGE RECORD	CONTRACTOR DOELIG CONTRACT NO. INTERSTAGE 2-3 LOT NO. WS-133 DRAWING NO. O00002225 U.O. MISSILE	EQUIPMENT CHANGE RECORD	DESCRIPTION OF EQUIPMENT	Bod: Section (As Weighted)		ADD:		DEDUCE:		Body Section (Complete)																				
	ASSOCIATE CONT COMPONENT HODEL NO. SERIAL NO.		PART NO.	25-36103-1	, ,					25-36103-1																				
	1 4 O X W	INE	T	7	M-I	5	9 6	100	6	임디	12	13	74	72	16	72,	의	5 8	7 [22	23	77	25	26	3	28	53	8	31	32

NO. D2-13946-5 >

		6.1.18 WEIGHT AND BALANCE CHANGE RECORD	SALANCE CH	ANGE RE	CORD				
ASSO COMP	ASSOCIATE CONCOMPONENT	CONTRACTOR BOBING CONTRACT NO. INTERSTAGE 2-3 LOT NO.	AFO4 (694)-046	970-(RE	REPORT NO. DATE	0PR-2102 4/29/63	Q	
HODE SERI	HODEL NO. SERIAL NO.		25-36103-1 727		PR AP	PREPARED APPROVED	R. ST. ROK	ROMATH	
		EQUIPMENT CHANGE RECORD			WEIGHT	WEIGHT AND BALANCE	ANCE		
ru	- 1	5	WEIGHT	X	AXIS	₩	AXIS	2	AXIS
_	PART NO.	アドランド・コン・コン・コン・コン・コン・コン・コン・コン・コン・コン・コン・コン・コン・		ARM	MOMENT	ARM	MOMENT	AHM	NOMENT
2 25	25-36103-1	Body Section (As Weighed)	156.55	67.29	10,534.7	99.36	15,554.6	100.93	15,800.6
74									
5		ADD:	0						
9 1									
. 0								-}-	
ρο		DEDUCT:	0					-	
2 5									
1_1_	25-36103-1	Body Section (Complete)	156.55	62.29	10,534.7	98.36	15,554.6	100.93	15,800.6
12								-	
77								-	
4		•	•						Ī
15									
9									
17									
8									
19									
8		-							
21									
2									,
3					•				
7									
ř.			-						
وا									
5			•						
28									
62			•						
8 R									
<u>ا</u>			,						
32.									
-									

PAGE 69

30

Automatical particle Automatical particle	f !		6.1.19	WEIGHT AND BALANCE CHANGE RECORD	SALANCE CH	ANGE REC	ORD				
Part No. ۱ - ۲۰ ر		[1]	CONTERACT NO.	AF04(694	940-(PORT NO.	OPR-210	90		
PART NO. DESCRIPTION OF EQUIPMENT CHANGE RECORD PART NO. DESCRIPTION OF EQUIPMENT X AXIS E5-26103-1 Body Section (As Weighed) DEMONS: ADD: O ADD: O DEMONS: ړ∪ پنم ب	CONFORMATIONEL NO.		DRAWING NO.	25-36103 732	1-0	PR PR	epared Proved	G. ROBI	SIL SIRIIS		
PART NO. DESCRIPTION OF EQUIPMENT WEIGHT X AXIS	IE						WEIGHT	AND BAI	LANCE		
25-35103-1 Body Section (As Weigned) 155.50 67.46 10.509.5 99.26 15,464.5 100.99 25-35103-1 Body Section (Complete) 155.80 67.46 10,509.5 99.26 15,464.5 100.99	${\tt ru}$	PART NO.	AO NO	HTPMENT.	WEIGHT	- 1	AXIS	1	AXIS		-4
25-36103-1 Body Section (As Welghed) 155.80 67.46 10.509.5 99.26 15.464.5 100.99 ADD: 0	-					Yana :	Turnion .	Jan J	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
ADD: DEMONOT: 0 DEMONOT: 0 25-36103-1 Body Section (Complete) 155.80 6f.46 10.509.5 99.26 15,464.5 100.99	المالد	1 1	M	(peq)	155.80	94.79	10,509.5	99.26	15,464.5	100.99	15,733.9
ADD: DEDUCTI: 0 DEDUCTI: 0 25-36103-1 Dedy Section (Complete) 155.80 67.46 10.509.5 29.26 15.464.5 100.99	1-4										
25-36103-1 Body Section (Complete) 155.80 67.46 10,509.5 99.26 15,464.5 100.99	3		ADD:		0						
25-36103-1 Body Section (Complete) 155.80 67.46 10,509.5 99.26 15,464.5 100,99	ء اه										
25-36103-1 Body Section (Complete) 155.80 67.46 10,509.5 99.26 15,464.5 100.99	Y∝		DEDETO:		C						
25-36103-1 Body Section (Complete) 155.80 67.46 10,509.5 99.26 15,464.5 100.99	ا و		• 1000								
25-36103-1 Body Section (Complete) 155.80 67.46 10.509.5 99.26 15.464.5 100.99	2								•		
	172		\mathcal{I}	te)	155.80	67.46	10,509.5	93.56	15,464.5_	100.99	15,733.9
	13						•				
	节				,						
	듼					'					
	76			•							
	17										
	100										
	al 8										
	길건						į				
	2										1
	23						•				
	7										
	25			,							
	8										
	2										
	82										
	23										
	R									-	
	33									•	
	12		•								

PAGE 70

1 J

CONTRACTOR ENTITY CONTRACTOR CONTRAC		6.1.20 WEIGHT AND BALANCE CHANGE RECORD	BALLANCE CH	ANGE REX	CORD				
DEDUCT: COMPLETE T35	ASSOCIATE CONCOMPONENT MODEL NO.	EXETTIG INTERSTAGE 2-3 WS-133	AFO4 (694)-046	RE DA	POST NO. IE EPARED	20/1/63 10H	30.EB	
PRUIPMENT CHANGE RECORD WEIGHT X AXIS WEIGHT AND BALANGE DESCRIPTION OF EQUIPMENT ADD: O DEDUCT: Dedy Section (As Weighed) 156.30 O To Sign 15,525.5 101.04 ADD: Dedy Section (Complete) 156.30 O 156.30 O DEDUCT:		0000228	735		AP.	PROVED	C. ROEL	HT33	
DESCRIPTION OF EQUIPHENT WEIGHT X AXIS X		EDUIPMENT CHANGE RECORD			WEIGHT	AND BAL	ANCE		,
DESCRIPTION OF EQUIPHIENT ARM NOWENT ARM NOWENT ARM			WRIGHT	X	AXIS		AXIS	77	AXIS
ADD: O ADD: O DEDUCT: Dedy Section (As Weighed) 156.30 67.30 10.518.8 99.33 15.525.5 101.04 Dedy Section (Complete) 156.30 67.30 10.518.8 99.33 15.525.5 101.04	PART NO.	SCRIPTION	7110	. ARM	MONERIT	ARM	MOMENT	ARM .	MOMENT
ADD: DEDUCTI: O DEDUCTI: O DEDUCTI: O DEDUCTI: O Total Decay Section (Complete) 156.30 67.30 10.518.8 99.33 15.525.5 101.04	25-36103-1	\square	156.30	67.30	10,518.8	99.33	15,525.5	101.04	15,792.2
DEDUCT: Dedy Section (Complete) Ded Sec									
DEDUCT: Body Section (Complete) 156.30 67.30 10.518.8 99.33 15.525.5 101.04		AUD:	0						
Body Section (Complete) 156.30 67.30 10.518.8 99.33 15,525.5 101.04		DEDICE:	c						
Body Section (Complete) 156.30 67.30 10.518.8 99.33 15,525.5 101.04									
	25-36103-1	M	156.30	67.30	10,518.8	99.33	15,525.5	101.04	15,792.2
				,					
	,								
			.]						
					,				

PAGE 71

į

		6.1.21	WEIGHT AND BALANCE CHANGE RECORD	LANGE RE	coko				
٠, ٥	ASSOCIATE CONT	CONTRACTOR <u>POETING</u> CONTRACT NO. INTERSTACE 2-3 LOT NO.	AFO4(694)-046	970-(7	RE	REPORT NO.	2/2/63		
(/ يتم	HODEL NO. SERIAL NO.		<u>25-36103-1</u> 737	3-1	PR	PR-PROVED APPROVED	G. ROBERTS	L GTS	
(E ,		EDUIPMENT CHANGE RECORD			WEIGHT	WEIGHT AND BALANCE	CE		
rw	ON MOVE	10	WEIGHT	X	AXIS	Y A	IS	ZX	KIS
	_ _	5		H.M.1	T METION	Afri	FOURTH I	FIG. CO.	1
104	25-36103-1	Body Section (As Weighed)	155.75	67,30	10,482.5	99.32 15	15,469.1	100.99 15.	15,728.9
1									
2		ADD:	0						
٥١٥									
∞		DEDUCT:	0						
٩							.		
2	1.	- 1					,	- 1	7
47	25-36103-1	Body Section (Complete)	155.75	67.30	10,482.5	99.32 15	15,469.1	100.99 15.	15,728.9
13				.					
14									
15			•						
16									
17									
옘									
119						-			
ଯ									
집									
겡							•		
23									7
77			:					+	
25								-	
92									
5.									
,									
3					·				
8						-			
150					•				
32									
J					-				

11

PAGE 72

								,	, , ,					 			·- - -	- -			· ·		Τ-	 .	-	 	 	_	1	7	7	7
						5	NOMENT		15,872.5					15,872.5					-													
		9		CS. LISTLA, SEE			Z Z Z		100.97					100.97															.			
		9303-1	50/07	G. FOEERUS	ANCE	PHINE THE PRINCES	AXIS		15,630.6					15,630.6																	•	
		REPORT NO.	DATE	PREPARED APPROVED	AND BALANCE	אט טאוא	X Wat		99.43					99.43													·					
• .	റബ	RE	AU	PR AP	መዘጋተሟብ	TIPTER	AX LS PUSTNOW		10,582.0					10,582.0																		
	ANGE REC	940-(:		-1		,	X MEV		67.32					67.32																		
	SALANCE CH	AFO4 (694)-046	,	25-36103-1 706			THDIEN.		157.20	c			0	157.20			,							•								
	WEIGHT AND BALANCE CHANGE RECORD	CONTRACT NO.	LOT NO.	DRAWING NO. U.O. MISSILE			OF EDUTPACINT		್ಗಾಂತ್ರೆ)					te) .		•										,					,	
•. •	6.1.22	, ,	TITTERSTACE 2-3	W3-133 0000232		CHANGE RECORD	DESCRIPTION OF EDI		Body Section (As Weighed)				4.	ection (Complete		•																
		CONTRACTOR E	⊢:] ;	⊠ O		EQUIPMENT CHANGE	DE		Body S	ישתע			DEDUCT	Body Section													,					
,			COMPONENT	MODEL NO. SERIAL NO.			PART NO.		25-361.03-1					25-36103-1													15.	20				
	2-5	550 -	·	11 1		NE	רז	7	25	4	79	2		145	13	17	15	16				R]			1	 				<u>₹</u>		

WEIGHT AND BALANCE CHANGE RECORD	CONTRACT NO. AFO4(694)-046 REPORT NO. LOT NO.	DRAWING NO. <u>25-36103-1</u> PREPARED U.O. MISSILE <u>726</u> APPROVED	ORD BALANCE	WEIGHT X AXIS Y AXIS Z A	ART FOLISH ARE CORRECT	Weighed) 155.75 67.18 10,464.0 99.28 15,463.6 100.84 15,706.9	0	0	mplete) 155.75 67.18 10,464.0 99.28 15,463.6 100.84 15,706.9										
6.1.23 WEIGHT AND BALANGE CHANGE	CONTRACT NO.	WS-133 DRAWING NO. 0000233 U.O. MISSILE	EDUIDMENT CHANGE RECORD	WEIGHT	האסתודה לה אל היה הלודה היה הלודה היה הלודה היה הלודה היה הלודה הל	++	ADD; 0	DEDUCT: 0											

PAGE 74

IJ

			***************************************			<u> </u>				
		6.1.24	WEIGHT AND BALANCE CHANGE RECORD	BALLANCE CH	ANGE REC	CORD				
ASSC	ASSOCIATE CON	CONTRACTOR BOLL 1G	CONTRACT NO.	AFO4(694)-046	940-(RE	REPORT NO.	. 023-2203	80	
MODE SERI	HODEL NO. SERIAL NO.		DRAWING NO.	25-36103-1 723	-1	PR AP	PREPARED APPROVED	C. ROLLEY	15 FRB	
<u> </u>		GGOTAG GERAD WENTERING				WEIGHT	WEIGHT AND BALANCE	LANCE		
r IN		- 1	,	WRIGHT.	×	AXIS	H	AXIS .	2	AXIS
	PART NO.	DESCRIPTION OF EQ	TWEWTING	T T T T T T T T T T T T T T T T T T T	ARM	HOMENT	ARM	MOMENT	ARM	NOMENT
)	25-36103-1	Rody Section (As We	Wei <i>r</i> hed)	156.65	02 29	9 793 01	76 00	ाद दीव प	100	15 807 0
1			(33.25)		2	3. 3. 4. W.	77:51	±13.71.71.	7.00	7. 00.77
# 10		ADD:		0						
٥٥										
- ∞		DEDUCE:		0			,			
9 5										
_L_L	25-36103-1	Body Section (Complete)	ete)	156.65	67.20	10,527.2	99.24	15,545.4	100.91	15,807.9
77										
74										
15										
16		•								
127										
2										
373										
2 12										
22										
23				•						
7 7										
25										
56			-							
12,										
58										
62										
8						,				
31										
32										

PAGE 75

	6.1.25	WEIGHT AND BALANCE CHANGE RECORD	SALANCE CH	ANGE REC	CORD				
ASSOCIATE CON	CONTRACTOR ROETING CC	CONTRACT NO.	AFO4 (694)-046	940-(EX.	REPORT NO.	013-2100 1/25/63	80 %	
HODEL NO. SERIAL NO.		DRAWING NO.	25-36103-1 725	-1	PR PR	PREPARED APPROVED	U. BAIRD G. ROBFR	EAIRD	
	EDUIPMENT CHANGE RECORD				WEIGHT	WEIGHT AND BALANCE	ANCE		
יווע		GIAGO	WEIGHT	×	AXIS	H	AXIS	2	AXIS
FART NO.	TIPE TO NOTICITATION	TWENTING		ARM	MOMERNI	ARM	MOMENT	ARM	MOMENT
2 25-36103-1 3	Body Section (As Weighed		156.65	67.27	10,537.4	72.66	15,550.9	100.98	15,819.0
4 1/2	ADD:		0						
8	DEDUCE:		0						
9 01									
11 25- 36103-1	Body Section (Complete	(6	156.65	67.27	10,537.4	72.66	15,550.9	100.98	15,819.0
13									
74									
16	•								
2t									
19							ì		
82									
ومط	,								
22									
4		:							
5		•							
9							.		
2									
0 0								-	
20									
					•				
32			,						

NO. D2-13946-5 >

	9	6.1.26 WEIGHT AND	WEIGHT AND BALANCE CHANGE RECORD	LANGE RE	CORD				
	ASSOCIATE CONTRACTOR COMPONENT	TRACTOR <u>POFITIG</u> CONTRACT NO.	AFO4(694)-046	970-(1	22 /G	REPORT NO	4019-200	34°	
ptq U4	HODEL NO. SERIAL NO.		25-36103-1	3-1	PE PE	PREPARED APPROVED	G. OGAED	J.L.	
1E		EQUIPMENT CHANGE RECORD			WEIGH	WEIGHT AND BALANCE	LANCE		
II.	PART 110.	DESCRIPTION OF EQUIPMENT	- VEIGHT	ARM	AXIS	ARM	AXIS	ARM !	AXIS
7 2 2	2 25-36103-1 3	Body Section (As Veighed)	156.10	67.27	10,701.1	99.31	15,502.8	100.92	15,752.9
4 200		ADD:	0		,				
200		DEDUCE:	0						
1945	10 11-25-36103-1	Body Section (Complete)	156.10	67.27	10,501.1	99.31	15,502.8 100.92	100.92	15,752.9
72			·						
15									
16									
18									
78									
<u>る</u> ん									
23	, .								
24									
120									
27 %									
Ŕ									
31									
칰	1.					-	4	1	***************************************

BOEING NO.D2-13946-5

1		6.1.27 WEIGHT AND BALANCE CHANGE RECORD	BALANCE CH	ANGE REC	ORD				
💥 🖰	ASSUCTATE CONT	CONTRACTOR FOZING CONTRACT NO.	AFO4(694)-046	940-(RE	REPORT NO.	0FR-2108	301	
N X W	HODEL NO. SERIAL NO.		25-36103-1 734	1-1	PR	PREPARED APPROVED	4 .1 .1	EATED ROBERTS	
JT A		EQUIPMENT CHANGE RECORD			WEIGHT	WEIGHT AND BALANCE	ANCE	1 1	
ΓI	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT.	ARM	AXIS MOMENT	ARM	AXIS MOMENT	ARM A	AXIS MOMENT
7	r_50195_30	Rody Servion (he Weighed)) 157 In	26 29	10 585.9	99,28	15.627.3	100.08	15.893.9
中一一	T-COTOC-(-)	11	Xt . / +	73.			7.125		7.77.77
2		AD:	0						
তা									
٦a		Differ out.	(
50		DENCE:	0						
2									
11	25-36103-1	Body Section (Complete)	157.40	67.25	10,585.2	99.28	15,627.3	100.98	15,893.9
13									
14									
15									
9									
감									
∞			,						
13									
힜									
21									
ম									
7							•		
4				•				·	
55									
9	,								
$\overline{\chi}$						•			
28							,		
g									Sherinder from the William St.
8									
31									
32									

<u>SECTIONAL</u> NO. D2-13946-5 → PAGE 78

i j

SECOLATE CONTRACTOR EDENIES CONTRACT NO. AFFECT NO. CONTRACT NO. CONT			6.1.28 WEIGHT A	WEIGHT AND BALANCE CHANGE RECORD	TANGE REX	2030				
PART NO.	ا حاث ت	SSOCIATE CONT	BOEDIG		970-(+	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PORT NO	-	Ö	
PAPE NO. DESCRIPTION OF EQUIPMENT ARM NOTICE ARM AR) II (I	ODEL NO. CELIAL NO.	40£ Z- {	1 1 1	3-1	PE	EPARED PROVED		T. STIS	
PART NO. DESCRIPTION OF EQUIPMENT WEIGHT X AXIS Y AXIS ARM NOWENT ARM ROWENT ARM ROWENT ARM ARM </td <td>E</td> <td></td> <td>1 124</td> <td></td> <td></td> <td>WEIGH</td> <td>AND BA</td> <td>LANCE</td> <td></td> <td></td>	E		1 124			WEIGH	AND BA	LANCE		
25-36103-1 Body Section (As Weighted) 156-65 67-20 10,527-2 99,22 15,542-6 100.91 DEDUCT: 0 0	rı		TA CE	WEIGHT		AXIS		AXIS	i i	AXIS
25-36103-1 Body Section (As Weighed) 156.65 67.20 10,527.2 99.22 15,542.6 100.91 ADD: DEDVOT: 0 156.65 67.20 10,527.2 99.22 15,542.6 100.91 25-36103-1 Body Section (Complete) 156.65 67.20 10,527.2 99.22 15,542.6 100.91	-	that no.	5		ARG	POSTENT.	H.Kiri	reCentral L	A.R.C.	COMERT
ADD: 0 0 Composition Compo	102		M	156.65	67.20	10,527.2	99.22	15,542.6	100.91	15,807.9
ADD: DEDUCT: 0 0 0 25-36103-1 Body Section (Complete) 156.65 67.20 10,527.2 99.22 15.542.6 100.91	4.4									
25-36103-1 Body Section (Complete) 156.65 67.20 10,527.2 99.22 15,542.6 100.91	5		ADD:	0						
25-36103-1 Body Section (Complete) 156.65 67.20 10,527.2 99.22 15,542.6 100.91	20									
25-36103-1 Body Section (Complete) 156.65 67.20 10,527.2 99.22 15,542.6 100.91	100		DEDITO:	c					-	
25-36103-1 Body Section (Complete) 156.65 67.20 10,527.2 99.22 15,542.6 100.91	0			>						
25-35103-1 Body Section (Complete) 155.65 67.20 10,527.2 99.22 15,542.6 100.91	10							•		
	7	25-36103-1	\mathcal{A}	156.65	67.20	10,527.2	99.22	15,542.6	100.91	15,807.9
	33									
	14									
	15						:			
	16									
	17									
	18									
	19									
	ଯ									
	진									
	N									
	23									
25 26 27 28 29 30 31	7									
25 22 28 29 30 31	25									
28 28 29 30 31 52	26									
28 29 30 31	7									
<u>259</u> <u>30</u> 31	28									
<u>31</u> 52.	29									
31 52.	30									
	31						_			
	52		``							

2-5550-0-11 .R1

CONTRACTOR							, management (1)	
•	BOELUG CONTRACT NO.	AFO4 (694)-046)-046	REDA	REPORT NO.	17.7-0103	33	
SERIAL NO.		25-36103-1 728		PR	PREPARED APPROVED	G. OGARD	36	
ESULTPARAM CHANGE	CHANGE PERORD			WEIGHT	WEIGHT AND BALANCE	ANCE		
200	TOWER T	WETGHT	×	AXIS	¥	AXIS	2	AXIS
PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM:	NOMENT
			00 47	. 712 06	200	20 071	200	1 100 1
2 22-30103-1 DOUY SECULOH	coron (48 Weighed)	170-17		7.0%(,01	33.61	47,000.9	70.701	47,074.4
		•						
5 ADD:		9						
7								
8 DEDUCT:		C						
6)						
10								
1125-36103-1 Body Section	ction (Complete)	156.75	67.28	10,546.2	99.27	15,560.9	101.02	15,834.4
12	,							
3	-							
14								
15						,		
. 9								
17								
8					:			
19		,						
Q.								
I								
22						,		
23	•							
ф.								
J.								
90								
						,		
28								
00								
022			·					
37								
27				:				;
		-	- Paragraphic Street, or other Paragraphics					

BREULEBNICE NO. D2-13946-5

ASSOCIATE CONTRACTOR COMPONENT MODEL NO. SERIAL NO. EQUIPMEN	POPTITE S	CONTRACT NO.		` .				!	
		LOT NO.	AFO4(634)-046	040-(RE	REPORT NO. DATE	1/03/63	7.	
EQUIPME	1 1 1	DRAWING NO. U.O. MISSILE	25-36103-1 730		PR AP	PR-PRARED APPROVED	G. ROBERTS	OCCIB STITE	
	EQUIPMENT CHANGE RECORD			>	WEIGHT	WEIGHT AND BALANCE	AYTS	8	3775
PART NO.	DESCRIPTION OF EQ	EQUIPMENT	WEIGHT	ARM	MOMENT	ARM	MOMENT	ARM	NOMENT
25-361.03-1 Body	Body Section (As Weighed	ghed)	156.55	67.35	10,542.9	99.38	15,557.4	100.88	15,792.4
ADD:			0						
DEDITCH:	ICP.		C						
							•		-
25-36103-1 Body	Body Section (Complete	te)	156.55	67.35	10,542.9	99.38	15,557.4	100.88	15,792.4
		•		,					
				7					
								1	
		,							
		•							
!									
									j
								-	
	•								

BIDIGING NO. D

NO. D2-13946-5

PARE OIL

ADD: ### AD

} }

		6.1.33	WEIGHT AND	BALANCE CHANGE RECORD	ANGE REC	Oko				
4 0	ASSOCIATE CONT	STAGE 2-3	CONTRACT NO.	AFO4(694)-046)-046	REDA	REPORT NO.	752-2097 1-754/63	3	
T W	•		DRAWING NO. U.O. MISSILE	25-36103-1 722	7-	PR	PREPARED APPROVED	G. ROBERTS	L	
E		CHANGE RECORD				WEIGHT	AND BALANCE	ANCE		
NI.		000		TETUS.	×	AXIS	, ,	AXIS	2	AXIS
[PART NO.	DESCRIPTION OF EQUI	EQUIPMENT	TIDTO	ARM	MOMENT	ARM	MOMENT	ARM	NOMENT
7		Body Section (As Weighed)	ned)	156.75	67.28	10,546.2	99.37	15,576.0	100.89	15,813.8
m -#							,			
5		ADD:		0						
Ž										
0		DEDUCE:		0						
19;		1 1 .		156 75	80 77	9 912 01	00 27	15 576 0	100 Ra	15 813 8
12	23-301U3-1	pool section (compared			٥١٠٥	2017, 101	22.3	0.01/1/4	70.00	47174
13					•	٠				
77										T
12										
10										
18										
19										
ଯ										
7										
22								,		
23						-				
74								•		
25										
56										
17										
28										
29										
8										
[3]						•		•		
32		*								
	h									•

PAGE 84

CONTRACTY DESCRIPTION 1-1 Bo DESCRIPTION ADD THE PROPERTY OF THE PROPERTY			6.1.34	WEIGHT AND BALANCE CHANGE RECORD	BALANCE CH.	ANGE RE	CORD				
NEGRET N	ASSOCIATE	I .	EOETHG INTERSTAGE	CONTRACT NO.	AF04(694)	-940-(ES 40	PORT NO	302-7-10 50/1/4	31	·
PROUTPWENT CHANGE RECORD	NODEL NO. SERIAL NO.	. œ.	WS-133 0000356	DRAWING NO.	25-36103 [.] 695	-1	P P	EPARED PROVED	, ,	T.T.B	
DESCRIPTION OF DEUTWIRNT WEIGHT X AXIS X			EQUIPMENT CHANGE RECORD				WEIGHT	AND BAJ	LANCE		
Addition (As Weighed) 158.15 67.40 10.659.7 99.36 15.713.3 100.93 DEDUCT: DEDUCT: DEDUCT: DEDUCT: DESUCT:	EC. 4.0	- 1	INTERPOLATION OF THE		WEIGHT	1	- "I	2,014	4	Z	AXIS
Body Section (As Weighed) 158.15 67.40 10.659.7 99.36 15.713.3 100.93		•		- 11		- HUIL	THETHER	ا	- Watton		
ADD: DEDUCT: 0 DEDUCT: 0 DEDUCT: 0 DEDUCT: 0 1.58.15 67.40 10,659.7 99.36 15,713.3 100.93	-361	03-1	M	ghed)	158.15	04.79	10,659.7	99.36	15,713.3	100.93	15,962.0
ADD: DEDUCT: DEDUCT: DODY Section (Complete) DODY Section (Complete		,									
DEDUCT: Dedy Section (Complete) 158.15 67.40 10.659.7 99.36 15,713.3 100.93			ADD:	,	0			·			
DEDUCTI: 0 Body Section (Complete) 158.15 67.40 10,659.7 99.36 15,713.3 100.93					-						
Dedy Section (Complete) 158.15 67.40 10,659.7 99.36 15,713.3 100.93											
Body Section (Complete) 158.15 67.40 10,659.7 99.36 15,713.3 100.93		•	DEDUCT:								
Body Section (Complete) 158.15 67.40 10.659.7 99.36 15,713.3 100.93	ľ										
Poor Section (Collaboration 2007) 120-101-101-101-101-101-101-101-101-101-	26	500		1	7 - 07 -	(4)	20 020 0	70 00	6	000	7 5 000
	0	1-57	1	re/	720.72	01.10	10,029.	22.30	12,611,62	23.001	7,302.0
								•			
			•						• •		
	}		*								
						·					
											•
		,		•							
											,
		ľ			•		•				
						•					,
			,		٠					٠,	
								,			

EDUE IN 6 NO. D2-13946-5

1

BOEINE NO. D2-13946-5 →

IJ

		• • !			SS	8181	864.00			-][7	· [
	2079				┝╌╟	122.500 100.000	127.498 100.000			MOMENT.			263.6		
	OPR- 20			ATA		12 Z	77 30 74 30 30 30 30 30 30 30 30 30 30 30 30 30					200	3		
`	3	-	<u> </u>	NAL DAT	INCHES	72.501	100.000		L C.G	ARS:	38.25	100,000	100.36	•	,
	REPORT NO.	<u> </u>	Z ₂ Z	UM DIMENSIONAL	DIM.	22	52		VERTICAL	-#	72.70 98.80 1	1 1	9		
	PAGE N		\	DATUM	INCHES DIN	49.072	070.601	50.000	5	NEW W	2 66	5 6	341	•	
•	Y2 -	TARGET P	1 1 - 1			-1-1	B2 B3 B4 B5	5		REACTION	35.25	FF 82	WGD.		
	2 7 H/TV [1]			REFERENCE	1 11	44		요.		YES .			VS	•	
	STAGE 1-2 T NO. 7 BY HC/JH/ X GVR (FIGURE II)	X1, X1, X2, X2, X3, X4, X4, X4, X4, X4, X4, X4, X4, X4, X4		VERTICAL	NET WT	72.73 98.89	77.20	341.		MOMENT			[2.3		
•	K LIST NO. RTED BY RED BY CRIGO	X		VER	CORR.								33.972.		
	1 2 2 2				·	45.33 44.46	20.10	126.35	C.G.	ARM	25.50 25.50 15.50	100,000	99.51	٠.	
	RECORD CO NO.	BEEEBENCE : vinw	LATERAL			╌╁╼╂	+		AT.	╬	\exists	 	 		
	皇				Gi.	93.00 143.20	97.30 134.25	467.75	LATERAL	NET WE	7.88 5.88 8.89	02.77	341.40	•	Ad a Constant of the second
	1 1 (M) 1 1 1		\$11	A	REACTION	36	R7 R8	TOTAL		REACTION	20	R7	AS WGD		
	110. 25- 110. 25- 15	. E.	a d	IG DATA	-					REAC	X K		AS		STORE A STANKE A
•	1. Sing -		33	WEIGHING	ET VT	93.05 83.35	38.8	341.40		ENE			52.74	•	Chick Designation
	6. DRAW DC AD		- 	3	CORR. N	-	-			HONE E			26,65		
	2 1)	R2	Æ			200	98	52	C.G.	ARM	49.072	109.070	8.07		
,	690 45-133 TAH (FIGURE B,				TARE	25.75	183.40 8.90	418.75	DINAL	-#	+	 			
	1.,	A2 A1	T ×		GR. WT.	109.10	269.40 87.90	760.15	LONGITUDINAL	ET WI	93.05	36.00	341.40		
· ·	S NUME ISSILE DE MOD BURATI			-		3 01	269 87	, 176	l	∤}-	-		Q;		
	SERIAL NUMBER: U/O MISSILE MISSILE MODEL CONFIGURATION	MUTAC EDMERSTERS LAW	TAIMTANOT		REACTION	RZ	R4 R5	TOTAI		REACT ION	된	と対	AS WGD		
	2-5550-0-77	1	` -				!	أحلبا	L_1		<u>.</u>	201:0	<u>ш</u>		
, • <i>•</i>								BOE	LNG	I	97 87	3946	- 5		
	· ·	•						1							

ij

DESCRIPTION OF CHANKER (DAME)	63		SILLI SILLI SILLI SILLI DI	REC NOTE TEMEI	VS V	3 8	+	× >	+	-			X X	X X	\dashv	╅	+	+	× >	*			+	+	+	+	╁	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	+	+	+	x x	
Serial Number: 0000207	MISSILE WEIGHING CHECK LIST FINAL ASSEMBLY DRAWING NO. 21-50150		MISSILE NO. 690	GJIDED MISSILECOMPONENT PART NO. Noted	PART-NO. WEIGHT X-ABH Y ARM Z	25-36101-1	5-36100-1	25-36101 -2	25-29744-1	25-3(131-1	29-23653-1	1,886.1	11888-1	29-20567-4	29-28371-1	29-28391-1	0-23654-1	29-23654-2	29-25565-1	25-36-38 3-1	25-30134-29	PACR20FM-3-8		-4-9	-4-5	-3=t	-3-3	-4-10	-4-15	-4-50	-4I-9		and the second
Fig. "A" Number: 6701	CHECK LIST NO. 6.2.1	000	SECTION 47	EHIS .ILS COMPONENT BODY SECTION GUIDED	DESCRIPTION	PONY SECTION ASSY	-Structural		Booster	Cork Insulation Instl-Exterior	(0)	75	Stage Separation	Door-Access, boos ver	(0711) 539	(†)	(4)	Tie (4)	U			, Recotacle	(33)	ļ.	- 100 ^o Head	4	- 100 ⁰ Head	ı	R Bolt - 1000 Head	Bolt 1000 Head	•	Bolt - 1000 Head	Bolt - 100° Head

	(DATE)		ETISSIF	GENE TIS	MEIC	มมม เVa] <i>.</i>																		•		,
]				SIVED VT	PMEN RECE OTE	BEW SYT			•		1	1	-		-	T		-						_	_			•					
	CH 20X ING		COMPONENT	alis	OTE	REN	-	+		-	-	-	+	+	+	\vdash	-	Ŀ		_	_			_		_				-	4	-	
	[5] m	23.23	S S S S S S S S S S S S S S S S S S S		GHEL	MEI VZ	 	• ;	××	×	×	×	×	+	\dagger	+	-	-	-	-			_	-		_					1	\dashv	
	RECORD				DI CHT	MEI BV2		• ;	××	×	X	×	×											·									
	- S	Day				Z- ARM			,					-								:											
0207		, , , , ,	50150		eđ	Y. ARH				•				,	,				•														
ber: 000	. ,		NO. 21-	0. 690	No. Noted	X ARH						·	:	·																			
Serial Number: 0000207	CHECK LIST		ASSEMBLY DRAWING	MISSILE NO.	ENT PART	WEIGHT.												-															
38	WEIGHING CI		FINAL ASSEMBLY		GUIDED MISSILECOMPONENT PART NO.	PART NO 1 - 1 -		A Lancache	BACBROEM-P4:1	AN960-416L	NO.	BMS 5-62													,,,	•	•						. ;
6701	6:2.1 MISSILE	٠	HODEL WS-133	Zt NOI	Z SECTION	SCRIPTION	ASSV (COMMITMIED)	┛.		•	(9)								-			•											,
: Fig. "A" Number: 6701	CHECK LIST NO.	7		SECTION	HISSILE COMPONENTBOID		SA TECTHINGS WITH	BOJ SPOTION AND I	•	Washer	. Nut	Insulation	PVG. KING									,			₽								
	CHEC		DATE	МВЕК	UN M	mli									-						1						'	ė.	·				

1)

PAGE 89

1		6.2.1	WEIGHT AND BALANCE CHANGE RECORD	BALANCE CH	ANGE RE	CHO				
1 40	ASSOCIATE CONT	1-2	CONTRACT NO.	AFQ4(694)-046	970-(RE	REPORT NC DATE	<u>@102-8019</u>	61	
≥. C3	MODEL NO. SERIAL NO.		DRAWING NO. U.O. MISSILE	25-36101-1 690	-	F. H. B.	PREPARED APPROVED	G. ROBELTS	CHNT.TILISEN ROBELLS	
E		KOLITPMENT CHANGE RECORD				WEIGHT	WEIGHT AND BALANCE	LANCE		
ГIИ				WEIGHT	X	AXIS	≯ -1	4	2	AXIS
. [PART NO.	DESCRIPTION OF EQUIPMENT	IPMENT		ARM	HOMENT	ARM	MOMENT	ARM	MOMENT
٦	-	ľ								
77	25-36101-1	Body Section (As Weighed	hed)	341.40	78.07	26,652.7	99.51	33,972.3	100.36	34,263.6
1=	,									,
5		ADD:		0						
9										
7										
∞		DEDUCT:		. 0						
9					•					
9				100	100	E. V. J. J.	[0 010		21.000
न ?	25-36101-1	Body Section (Complete		341.40	78.07	26,652.7	29.51	33,972.3	100.30	34,203.0
13										
14								,		
15			·							
9۲									•	
17	,	•						,		
87						,	,			
19										•
R										
7						•				
N			•			٠				
23										
24										
25										
26								,		
2										
28			,							
29									7	
S	٠,									
2										
32		`								
	*								4	f

NO. D2-13946-5

ĺ

		6.2.2 WEIGHT AND BALANCE CHANGE RECORD	BALANCE CH	ANGE RE	CORD				
 < 0	ASSOCIATE CONTRACTOR	BOEING CC	AFO4 (694)-046	940-(REPORT NO) 12-350 ·	6'	
o = o	CONFORENT MODEL NO. SERIAL NO.	WS-133 DRAWING NO. 0000208 U.O. MISSILE	25-36101-1 697	-1	A PI	PREPARED APPROVED	E. ST. F.	FTTATE	
Th.		EQUIPMENT CHANGE RECORD			WEIGH	WEIGHT AND BALANCE	LANCE		
rn	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X ARM	AXIS	ARM	AXIS	Z ARW	AXIS
7	25-36101-1	Body Section (As Weighed)	344.40	777.96	26,850.9	99.59	34,299.8	100.38	34,571.8
m-2	,					.			
5		ADD:	0						
9									
2									
Σ		DEDUCT:	0						
אַכ						-			
מו מי	1, 25-36101-1	Body Section (Complete)	344.40	77.96	26,850.9	99.59	34,299.8	100.38	34,571.8
75							.		
1+					,				
15									
36								•	
12 3.6									
2 0	,								
אַ צ									
7									
Ŋ					•		-		
3					8(1)	•	.]		
4									
Ĭζ		•							
26									
Z						•			
28									
29									
S						,			
7									
32	•								
				-				·	

PAGE 91

		6.2.3 WEIGHT AND BALANCE CHANGE RECORD	BALANCE CH	ANGE REC	ORD					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
1 - 7 - 10	ASSOCIATE CONCOMPONENT HODEL NO.	CONTRACTOR BOEING CONTRACT NO. INTERSTAGE 1-2 LOT NO. WS-133 U.O. MISSILE	AF04(694)-046 25-36101-1 702)-046	RE DA	REPORT NO. DATE PREPARED APPROVED	C7:-23C4 L'75/63 R. FOLCCIB G. ROBERIS	14 200 B 200 B 201 B		
INE		EQUIPMENT CHANGE RECORD	miotai	>4	WEIGHT	WEIGHT AND BALANCE	AXIS	Z	AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT	FELGHT	ARM	MOMENT	ARM	MOMENT	ARM	MOMENT	
125	25-36101-1	Body Section (As Weighed)	343.05	78.15	26,808.7	74.66	34,122.1	100.32	34,414.8	·
4 50		ADD:	0							
700		DEDUCT:	0							
थ द्रा	25-36101-1	Body.Section (Complete)	343.05	78.15	26,808.7	24.66	34,122.1	100.32	34,414.8	
771										·
795										
787										
	*									
7701										
37										J
AL 617										·
1										
20 20										·
12										
~ 1										7

BIONETYME NO. De-13946-5

PAGE 92

; 1 **j**

			·	1	<u>.</u> а.т. т	 	, ,			 1	1 -1	. ,	· -	7	7-7	1		· T	- T	Ť	-		1	7	_	7	7	7	П
,			1 1	AXIS MOMENT	34,376.6				a.	34,376.6										-		'						.	
		3 LL ERITS		Z ARM	100.34					100.34														.					
		0PR-2086 4/16/63 JIM HILL G. ROBERTS	ANCE	Y AXIS MOMENT	34,132.1					34,132.1 100.34				,							.								
		REPORT NO. DATE PREPARED APPROVED	AND I	ARM	99.63					99.63	•																		
	CORD	PR DAY	WEIGHT	AXIS	26,729.6					26,729.6																			,
	ANGE REC)-46		X ARM	78.02				-	78.02																			
	SALANCE CH	AFO4 (694)-46 25-36101-1 707		WEIGHT	342.60		7	C		342.60																	*		
	6.2.4 WEIGHT AND BALANCE CHANGE RECORD	TRACTOR POELING: CONTEACT NO. WS-133 DRAWING NO. OOOO210 U.O. MISSILE	EQUIPMENT CHANGE RECORD	DESCRIPTION OF EQUIPMENT	Body Section (As Weighed)	, ATD.	(Autor)	DETICE	, TANAMA	Body-Section (Complete)																			
		ASSOCIATE CONTRACTOR COMPONENT MODEL NO. SERIAL NO.		PART NO.	25-36101-1					25-36101-1																			,
1		4020	NE	rı	7	74 0	9	2	9	311	13	14	15	9 [<u>17</u>	19	8	21	22	23	₹	25	26	2	28	29	30	31	32

PAGE 93

•				· 1	<u> </u>			 	-	, T		11		Ţ	, 	П	-			. 1	-	<u> </u>		7				7	1	Ť			7
			151		4	MOMENT	34,502.1						34,502.1									·									,		
		3 33	STATUTE STATE		Z .	ARif	100.19						100.19					ź															
•	-	CT 1-2078	STED TE	ANCE	AXIS	MOMENT	34,333.3		,				34,333.3 100.19		•									-				•					
		REPORT NO.	PREPARED APPROVED	AND BALANCE	Ā	ARM	99.70						99.70				٠.																
	CORD	RE	PR AP	WEIGHT	AXIS	MOMENT	26,986.4				. .		26,986.4						,														
	ANGE RE	940-(X	АВИ	78.37						78.37																				
45. (SALANCE CH	AF04(694)-046	25-36101-1 688		WEIGHT		344.35		0		0		344.35																				
	6.2.5 WEIGHT AND BALANCE CHANGE RECORD	CONTRACTOR <u>POETHG</u> CONTRACT NO.		KOUTPWENT CHANGE RECORD		DESCRIPTION OF EQUIPMENT	Body Section (As Weighed)	$\downarrow \downarrow$	ADD:		DEDUCT:		Body Section (Complete)							-			•										
		ASSOCIATE COI	HODEL NO. SERIAL NO.	- 3	I IA	PART NO.	225-36101-1	,	27	2	0 0	10	1125-36101-1	13	14	15	16	17	8	, 61	R	7	22	22	24	. 52	95	27	80	56	30	31	52
	•	550-0)-11 R1				·.				• ,	<u> </u>									<u> </u>			Ī	, N	o		-1	39	46		<i>→</i>	ا ن چ.

		3 0 y	WETCH AND BALANCE CHANGE RECORD	AAT.AMCE CH	ANGE BE	OBD				
			TOTAL VIOLE	Manager City	Town or the second			,		
생 원 	ASSOCIATE CONT	CONTRACTOR EQEING CONTRACT TOT NO.	CONTRACT NO.	AFO4 (694)-046	940-(RE DA	REPORT NO.	3/29/63	88	
5 분 —	HODEL NO.		DRAWING NO.	25-36101-1		PR	PREPARED	R. ST.	ST. POMIN	
S.	SERIAL NO.	0000214 U.O.	U.O. MISSILE	693		AP	APPROVED	G. KOBENTS	Sh.To	
3		EDITTEMENT CHANGE RECORD				WEIGHT	WEIGHT AND BALANCE	LANCE		
MT?	•			THULTH	×	AXIS	¥	AXIS	Z	AXIS
	PART NO.	DESCRIPTION OF EQUIPMENT	int		ARM	MOMENT	ARM	HOMENT	ARM	MOMENT
	٨				. 1	0.00		2000	200	21. 501. 17
N K	25-36101-1	Body Section (As Weighed)		345.00	78.03	20,919.4	99.66	34,300.0	700.2	4,74,4
4	,									
2		ADD:		0						
9	·				·					
7			•			, , ,				
∞	-	DEDUCT:		. 0 .						
9		-				•				
ဂ္ဂ		ľ				3.000	0) 300	2000		21, 501, 12
न	25-36101-1	Body Section (Complete)		345.00	78.03	26,919.4	23.00	34,300.0	17007	7,774.
Y			,							
13									•	<u> </u>
74							•			
12										
9						•	-			
12										
138							·			
139	,									
ଷ			•							
ಸ						,				
8			,		,					•
K										
な		***						1		
K										
X								·		
8										,
8										
8										
Ŗ		•								ļ
F								-		
Ę.		`						-		
1				·						***************************************

NO. D2-13946-5

1 }

	_							
ASSOCIATE CONT	CONTRACTOR BOELING CONTRACT NO.	AF04(694)-046	940-(1	R	REPORT NO.	(FER-2083	33	
NODEL NO. SERIAL NO.	VI 1 1	25-36101-1 700	-1	PE	DREPARED APPROVED	G. BAIRD G. ROBERTS	ND ERTIS	
	EDITTPMENT CHANGE RECORD			WEIGHT	AND BALANCE	ANCE		
[VEIGHT	×	AXIS	Y	AXIS	2	AXIS
PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	NOMENT	ARM	NOMENT
								· · · · · · · · · · · · · · · · · · ·
25-35101-1	Body Section (As Weighed)	343.75	78.09	26,843.0	99.61	34,241.6	100.26	34,465.5
	ADD:	0						
	DEDUCT:	0						
-25-36101-1	Body Section (Complete)	343.75	78.09	26,843.0	99.61	34,241.6	100.26	34,465.5
				,				
		·						
						•		
		•	•					
					•			
							ľ	
					.].			
		•		,				

NO. D2-13946-5

6.2.8 WEIGHT AND BALANCE CHANGE RECORD	ONTRACTOR DOEDIG CONTRACT NO. APO4(694)-046 REPORT NO. C.1955 LOT NO. NSILE NO. 25-36101-1 REPARED C. STIALSEN OCCUPATION OCCUPATIO	EQUIPMENT CHANGE RECORD X AXIS X AXIS Y AXIS Z AXIS	MOMENT ARM MOMENT ARM	Body Section (As Weighed) 340.25 7	ADD: 0	DEPT IVEN.	1 Body Section (Complete) 340.25 78.02 26,545.3 99.43 33,832.5 100.33 34,136.2																	
	ASSOCIATE CONTRACTOR E COMPONENT HODEL NO. SERIAL NO. CO	EQUIPMENT	PART NO.	25-36101-1	5 ADD:		25-36101-1	13	14	16	1.7	18	19	82	21	22	25	56	123	28	29	30	7.1	32.

NOD2-13946-5

	6.2.9 WEIGHT AND BALANCE CHANGE RECORD	BALANCE CH	ANGE REC	ORD				
ASSOCIATE CONT COMPONENT MODEL NO. SERIAL NO.	0 7-7-5 I	AFO4 (694) -046 25-36101-1 709)-046		REPORT NO. DATE PREPARED APPROVED) (G	1/63 CHAISTIAIS, W ROBERTS	1
INE	EQUIPMENT CHANGE RECORD		>	WEIGHT	AND B	LANCE	6	1476
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	ARM	FOMENT	ARM		ARM !	NOMENT
2 25-36101-1 3	Body Section (As Weighed)	341.75	78.00	26,657.8	29.57	34,029.3	100.31	34,280.7
44	ADD:	0						
9 8	DEDUCT:	0						
10 11 25-35101-1	Body Section (Complete)	341.75	78.00	26,657.8	29.57	34,029.3	100.31	34,280.7
12								
15								
16								
38								
91					,			
21								
				•				
23			·					
16								
2		·						
22								
29								
20								
32								

		OF S AND	WEIGHT AND BALANCE CHANGE RECORD	TANGE RE	(SOE)				
4 0	ASSOCIATE CONT		AFO4(694)-046)-046	1	REPORT NO.	. 038-2030	88.6	
שבט	CONTRACT HODEL NO. SERIAL NO.		25-36101-1 712	-	PR	PREPARED APPROVED	R, ST.	R. ST. ECMIN	
1E	141	EQUIPMENT CHANGE RECORD			WEIGHT	WEIGHT AND BALANCE	LANCE		
riv	-	100	TEDIEM.	×	AXIS	H	A	N	AXIS
-	FAKI NO.	DESCRIPTION OF EQUIPMENT		AKM	MOMENT	AKM	TNEMOW	ARM	Noment
17	25-36101-1	Body Section (As Weighed)	341.50	78.05	26,654.6	99.54	33,991.9	100.25	34.233.7
7	-						,		
57		ADD:	0						
20									
∞		DEDUCT:	0						
9 5									
145	11.25-36101-1	Body Section (Complete)	341.50	78.05	26,654.6	99.54	33,991.9	100.25	34,233.7
12									
14			,			,			
15,									
16									
778									
139									
ଯ									
ਹ									
22.0			-		•				
37									
25			,						
26									
12			·						
28									
52						-			
R									
32									
7									

1

2-5550-0-11 R1

NO.D2-13946-5

No. A SSOCTA ## 5000	.2.11	BALANCE CH	LANGE RE		OK #8C8	200	çç		
DRAWING NO. 25-36101-1 APPEPARED JULI HILL		BOETIG DATERSTAGE 1-2	AFO4 (694	950-(1	RE RE	REPORT NO DATE	. 005-2092 1,/16/63	33	
NECORD NEIGHT X AXIS Z AXIS X		DRAWING NO.	25-36101 716	급	PR AP	EPARED PROVED	G. FOI	LL ERTS	
ABM NOTEST ABM NOTEST ABM ABM ABM ABM ABM ABM ABM ABM ABM ABM ABM ABM ABM ABM ABM ABM ABM ABM ABM ABM ABM ABM ABM ABM ABM ABM ABM ABM ABM ABM ABM ABM ABM ABM ABM ABM ABM ABM ABM ABM ABM ABM ABM	1 2				WEIGHT	AND BA	LANCE		
TION OF EQUIPMENT ARM NOWENT ARM NOWENT ARM	(WETGHT	><		Y		2	AXIS
(As Weighed) 342.55 78.14 26.772.1 99.58 34,112.0 100.33 (Complete) 92.55 78.14 26,772.1 99.58 34,112.0 100.33		N OF		ARM	TKEROK	ARM	MOMENT	ARM	NOMENT
(Compilete) 0 0 94.2.55 78.14 26.772.1 99.58 34,112.0 100.33			342.55	78.14	26,772.1	99.58		100.33	34,368.8
(Complete) 0 0 342.55 78.14 26,772.1 99.58 34,112.0 100.33	+								
(Complete) 342.55 78.14 26,772.1 99.58 34,112.0 100.33	1-	ADD:	0						
(Comulete) 342.55 78.14 26,772.1 99.58 34,112.0 100.33									
(Complete) 342.55 78.14 26,772.1 99.58 34,112.0 100.33	1-1	DEDUCT:	0						
(Commulete) 342.55 78.14 26,772.1 99.58 34,112.0 100.33	-+-								
	+	(Complete)	342.55	78.14	26,772.1	99.58	34,112.0	100.33	34,368.8
	1-1								
	\dashv								,
	+-								
	_								
	 					·			
	-								
	_								
	<u> </u>								
		•							
	_								
	1								
	\Box						,		
	\Box								

| NO. D2-13946-5 | PAGE 198

PAGE 101

SECOLATE CONTRACTOR RELIEGE CONTRACT NO. C. A. 2.9.5 C. A. 2.9.5	t.		6.2.13 WEIGHT AND BALANCE CHANGE RECORD	BALANCE CH	ANGE RE	CORD				
No. No. No. No. 185-133 DRAWING NO. 25-36101-1 APPEARED 1.1 EALLY NO. 18000221 O.O. MISSILE 711 APPEARED 1.2 EALLY NO. DESCRIPTION OF EQUIPMENT ARM MONEART ARM AR	-40		ECELIG CONTRACT NO. INTERSTACE 1-2 LOT NO.	AFO4 (694)	940-	RE DA	PORT NO.	0/38/8	33	
PART NO. DESCRIPTION OF EQUIPMENT MEIGHT AND MEIGHT AND AND MEIGHT AND	ز∪ بنس	ODEL NO.		25-36101-		PR	EPARED PROVED	Y. ENT	ND SKTS	
PART NO. DESCRIPTION OF EQUIPMENT WEIGHT ARM HOMEST X AXIS X AXIS E9-35101-1 Body Section (As Weighed) 341.30 78.03 26,632.8 99.72 34.035.1 ADD: O NO. NO. NO. NO. NO. 25-35101-1 Dedy Section. (Complete) 341.30 78.03 26,632.8 99.72 34.035.1 25-35101-1 Dody Section. (Complete) 341.30 78.03 26,632.8 99.72 34.035.1	1 FT &		EQUIPMENT CHANGE RECORD			WEIGHT	AND BAI	ANCE		
E5-3301-1 Body Section (As Weighed) 341.30 78.03 26,632.8 99.72 34,035.1 ADD: 0 0 0 0 0 25-3501-1 Dedy Section. (Complete) 341.30 78.03 26,632.8 99.72 34,035.1	TT	- 1	מאפטארדוורה הי ויסדחתדמיטהים	WEIGHT		AXIS	- 1	AXIS	12	AXIS
25-5101-1 Body Section (As Weighed) 341.30 78.03 26,632.8 99.72 34,035.1 ADD: DEDUCT: Dedy Section (Complete) 341.30 78.03 26,632.8 99.72 34,035.1	- 10	FAKI NO.	5		ARM	MOMENT	ARM	MOMENT	ARM	NONENT
25-36101-1 Body Section. (Complete) 341.30 78.03 26.632.8 99.72 34,035.1	ュュス	1 1	M	341.30	78.03	26,632.8	99.72	34,035.1	100.29	34,227.4
25-36101-1 Dody Section (Complete) 341.30 78.03 26.672.8 99.72 34,035.1	-4 ₹		ADD:	0						
25-36101-1 Body Section (Complete) 341.30 78.03 26.632.8 99.72 34,035.1	9 5									
25-36101-1 Body Section (Complete) 341.30 78.03 26.632.8 99.72 34,035.1	\vee^{∞}		DEDICA	c						
25-36101-1 Body Section (Complete) 341.30 78.03 26.632.8 99.72 34,035.1	10		- TOOME	0						
	이서이	1.31	\sim	341.30	78.03	26,632.8	99.72	34,035.1	100.29	34,227.4
	ήk			-						
	1		***************************************							
	S									
	9									
	Ŋα									
	Q.									
	네									
	N									
	3									
	선기				•					-
	ĬÜ,									
	બ્રા									
29 10 10 10 10 10 10 10 10 10 10 10 10 10	\sim									
20	જ્રા					,				
0.0 3.1 5.2	δ./									
71.	9									
	毋					,				
	N	·	, ,							

PAGE 102

] .		6.2.14	WEIGHT AND BALANCE CHANGE RECORD	BALANCE CHI	INGE REC	CORD			;	
द ठ	ASSOCIATE CONCOMPONENT	CONTRACTOR ROSING	CONTRACT NO.	AF 04(694)-046	940-(46	RE	REPORT NO. DATE	058-2091 4-12-63	91	,
Z N	MODEL NO. SERIAL NO.		DRAWING NO.	25-36101-1	11	PR AP	PREPARED APPROVED	T. VOGEL G. ROBER	VOGEL ROBERTS	
Е		DOUTDMENT CHANGE RECORD				WEIGHT	AND BALANCE	ANCE		
NI.		reorinat onnice moone		WETCHP	×	AXIS	¥	Y AXIS	2	Z AXIS
I i	PART NO.	DESCRIPTION OF EQ	OF EQUIPMENT		ARM	1.O.AENT	ARM	MOMENT	ARM	MOMENT
7	S									
2010	1-10195-52	Body Section (As Weighed)	hed)	342.05	77.92	26,651.6	44 66	34,013.9	100,35	34,325.7
#	>									
N		ADD:		0						
9 5									•	
Vœ		DEDIIC#:		0						
9										
2		. 1		71.2 05	. CO 11/11	7 (37 74	11,00	71. 017.0	200	21. 225 .0
7	7-70195-47	Body Section (Complete	(e)	2442,02	76.//	0,170,02	22:44	24,012.9	77.00	24,262.1
13										
#7										
25	•		•							
97	•						·			
17										
8										
19	*				:					•
R		•	,							
17			**							
22				,		•				
23										
54			•							
3			•		•					
\$ 56						,				
7							•			•
28										,
29										
S	4,	7								
31			Jan 1				·	,		
. 32						,				
]		,								

PAGE 103

	6.2.15 WEIGHT A	WEIGHT AND BALANCE CHANGE RECORD	IANGE RE	CORD				
ASSOCIATE CON	CONTRACTOR EGING CONTRACT NO.		AF 04(694)-046	ŘE DA	REPORT NO. DATE	0PF-2094 4-15-63	394	
HODEL NO. SERIAL NO.		. 25-36101-1 LE 719	01-1	PR	PREPARED APPROVED	T. VOGEL	VOGEL KOBERTS	
2	POLITEMENT CHANGE DECORD			WEIGHT	WEIGHT AND BALANCE	ANCE		
, IN	200	VETCH	×	AXIS	×	AXIS	2	AXIS
PART NO.	DESCRIPTION OF EQUIPMENT	1	ARM	MOMENT	ARM	MOMENT	ARW	MOMENT
]					í			
2 25-30101-1	Body Section (As Weighed)	342,60	78.00	26,732.5	99.53	34,097.8 100.29	100.29	34,358.8
4								
5	ADD:	0						
2							•	
a a	ישטוועם ו							
0 0	V-TOOLEY.	0						
10						,	·	
1-10102-52 11-	Body Section (Complete)	342.60	.78,00	- 26,732:5	99.53	34,097.8 100,29	100,29	34,358.8
12								
13								
14						,		
15								
16 .								
17/								
01				,				
, R								
21								
22	•		•					
23	•			-				
47								
25								
56								
123								
28								
. 53			`					
30		-	,					
31			•					
32.						,		

NO. D2-13946-5

ASSOCIATE CONTRACTOR ROSELIG ASSOCIATE CONTRACTOR ROSELIG CONTRACT NO	
SSOCIATE CONTRACTOR EDELIG NEIGHT AND BALANCE CHANGE RECORD	
6.2.16 WIGHT AND BALANCE CHANGE RECORD SECOLATE CONTRACTOR ESSELTIO SUPPLYING SECOND SECOND SECOND SECOND PART NO. DESCRIPTION OF EQUIPMENT WEIGHT ARM NOT DATA TO BE ADDED LATER SECOND SECON	
SSOCIATE CONTRACTOR EDELITION	
SSOCIATE CONTRACTOR BOELTIG ONFONENT DIFFERENCE 12 10 ONFONENT WS-133 DREL NO. EQUIPMENT CHANGE RECORD PART NO. DATA TO BE ADDED DATA TO BE ADDED	
SSOCIATE CONTRACTOR EDELIG CO OMPONENT HERSTAGE 1-2 LO ODODZEH U. EQUIPMENT CHANGE RECORD PART NO. DESCRIPTION OF EQUIP DATA TO BE ADDED	
SSOCIATE CONTRACTOR BOELTIG ONFONENT DIFFERENCE 12 10 ONFONENT WS-133 DREL NO. EQUIPMENT CHANGE RECORD PART NO. DATA TO BE ADDED DATA TO BE ADDED	•
SSOCIATE CONTRACTOR EDELIGE OMPONENT THTERS ODEL NO. ERIAL NO. DESCRIPT DATA DATA DATA	
SSOCIATE CONTRACTOR OMEN O. ERIAL NO. PART NO.	
SSOCIATE OMPONENT ODEL NO. ERIAL NO	
ROBGONG TO REPUBLICATION OF THE WEST OF THE TO RESTORE THE TOTAL THE TO	32

EGEING NO. D2-13946-5

PAGE 106

		6.2.18 WEIGHT AND BALANCE CHANGE RECORD	BALANCE CH	ANGE RE	CORD					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
S	ASSOCIATE CON	ASSOCIATE CONTRACTOR BOETHG CONTRACT NO.	AFO4(694)-046	940-(RE	REPORT NO	3013-8-50 ·	20		
NOI E	HODEL NO. SERIAL NO.		25-36080-1 727	1-1	PR PR	PREPARED APPROVED	R. HOLCOAB	OV.IB		
1E		EQUIPMENT CHANGE RECORD			WEIGHT	WEIGHT AND BALANCE	LANCE			.,
 rn	PART NO.	10	WEIGHT	X May	AXIS	Y XBW	AXIS	Z WAY	NOMENT	<u></u>
				-						<u> </u>
22	25-36080-1	Body Section (As Weighed)	342.20	77.96	26,676.9	99.53	34,059.1	100.34	34,336.7	
#										
ahi		ADD:	C							
2										, —
<u>∞</u> 0		DEDUCT:	0							
7 2										
1	11 25-36080-1	Body Section (Complete) ~	342.20	77.96	26,676.9	99.53	34,059.1	100.34	34,336.7	
75										
212										
12										·
16										
12										
18										
19										
ଯ										
17										
22										
23										
777			•							
25										
92	•									
12										
82										
59										-
30	,									
31							-			
32										-7
		والمرابعة والمرا								

PAGE 107

j

Γ1				П	\dashv	11		1-1-1		-1-	-T	[ГТ	T	7	7	7	T			-T	T	Т	T	Ţ	Т	T	T	٦
				4	MOMENT	34,361.1				34,361.1					<u> </u>						:								L
	3	TL		Z	ARW	100.32				100.32																			
	OPR-2106	JIM HILL G. ROBERTS	ANCE	AXIS	MOMENT	34,113.9				34,113.9																	Ì		
	REPORT NO.	PREPARED APPROVED	WEIGHT AND BALANCE	н	ARM	99.66				99.60																			
CORD	RE	PR PR	WEIGHT	AXIS	MOMENT	26.706.6				26,706.6																			
ANGE REC	.)-046			×	ARM	77.98				77.98																			
BALANCE CH	AFO4(694)-046	25-36101-1 732		WEIGHT		342.50	0	0		342,50									,										
6.2.19 WEIGHT AND BALANCE CHANGE RECORD	EDEING CONTRACT NO. INTERSTACE 1-2 LOT NO.		EQUIPMENT CHANGE RECORD		DESCRIPTION OF EQUIPMENT	Body Section (As Weighed)		JCF:		Body Section :: (Complete)																			
6.	NTRACTO	:	Meluca			Bod	ADD:	DEDUCT:		Bod											!						•	1	
	ASSOCIATE CONTRACTOR COMPONENT	HODEL NO. SERIAL NO.			PART NO.	25-36101-1				25-36101-1																	-		
		vi	I	ГIИ		7 2	4 50	8 7 8	9 9	# ;	14	17.	15	16	17	18	19	ुर	1/2	1 1/2	12	25	56	12/	82	53	ନ	31	3

. 1

2-5550-0-11 R1

PAGE 108

EQUIPMENT NO. 25-36101-1 PRE DATE NO. 25-36101-1 PRE PRE U.O. MISSILE 735 API NEIGHT X AXIS EQUIPMENT NEIGHT X AXIS NOWENT NOMENT NOMEN		
WS-133 DRAWING NO. 25-36101-1 PRE	REPORT NO. CENCOLO DATE DATE	600
PROUTPHENT CHANGE RECORD WEIGHT X AXIS	VED	J.T. HILL G. KOBERIIS
DESCRIPTION OF EQUIPMENT WEIGHT ARM NOMENT	WEIGHT AND BALANCE	
DESCRIPTION OF EQUIPMENT ARM NOMENT		Z AXIS
ADD: O DEDUCT: Dedy Section (As Weighed) 339.25 78.02 26,469.2 Body Section (Complete) 339.25 78.02 26,469.2	HOMENT ARM NOMENT	ARM NOMENT
ADD: O DEDUCT: Dedy Section (As Weighteu) 539.27 10.02 20,409.2 Body Section (Complete) - 339.25 78.02 26,469.2	-2 00 0 071 70	
ADD: DEDUCT: Dedy Section (Complete) 339.25 78.02 26,469.2	20,407.2	100.31 34,029.3
DEDUCT: DEDUCT: Dedy Section (Complete) 339.25 78.02 26,469.2		
DEDUCT: Body Section (Complete) - 339.25 78.02 26,469.2		
Delly Section (Complete) 339.25 78.02 26,469.2		
Body Section (Complete) - 339.25 78.02 26,469.2		
Body Section (Complete) - 339.25 78.02 26,469.2	1-1	
		100.31 34,029.3
		1 -
		,

RAGE 109

}

ASSOCIATED CONTRACTOR ROTTING AND THE STATES OF NO. AND THE STATE		6.2.21 WEIGHT AND BALANCE CHANGE RECORD	BALANCE CH	ANGE REC	ORD		1		
Fig. 133 DRAWING NO. 25-56101-1 APPROVED G. KORTALIS	편 (CO) 전	BOETHG THTERSTAGE 1-2	AFO4 (694	970-(1	REDA	PORT NO.	100 J		
EQUIPMENT CHANGE RECORD WEIGHT X AXIS WEIGHT AND BALANCE Body Section (As Weighed) Body Section (Complete) Body Sect	 		25-36101	7	PR	EPARED PROVED	G. NOBE	J. SITS	
Neighed Neighbor Neighbo					WEIGHT	AND BAL	ANCE		
DESCRIPTION OF EQUIPMENT ARM NOMENT ARM			WRTGH#	×	AXIS		AXIS		AXIS
Body Section (As Weighed) 341.25 77.75 26,531.3 99.71 34,027.4 100.39 ADD: 0 <td< td=""><td>ω<u>.</u></td><td>I. II</td><td>TUDTON</td><td>ARM</td><td>MONENT</td><td></td><td>MOMENT</td><td>ARM</td><td>MOMENT</td></td<>	ω <u>.</u>	I. II	TUDTON	ARM	MONENT		MOMENT	ARM	MOMENT
ADD: DEEDUCR: Dody Section (Complete) Soly	1-1		341.25	777.75	26,531.3	17.66	34,027.4	100.39	34,259.5
DEEXICT: Decly Section (Complete) 341.25 77.75 26,531.3 99.71 34,027.4 100.39		ADD:	0						
Body Section (Complete) 341.25 77.75 26,531.3 99.71 34.027.4 100.39		DEDUCT:	0						
	1-1	(Complete)	1 1 1		26,531.3	17.66	34,027.4	100.39	34,259.5
					•				
				`			-		
	.								
							•		

NO.D2-13946-5

		00 0 9	WEIGHT AND BALANCE CHANGE RECORD	SALANCE CH	ANGE REC	ORD				
4 (1	POETIIG	P NO.	AFO4 (694)-046	940-(発	RÉPORT NO.) (CR-8086	99	
נטייבי ט	COMPONENT HODEL NO. SERIAL NO.	1171 NSTAGE 1-2 VS-133 0000232	DRAWING NO.	25-36101-1 706		P. P	PREPARED APPROVED	W. BAIRD G. ROBERTS	NTS	
E		CHANCE RECORD				WEIGHT	AND	BALANCE		
T IN	ON wava	TO NO.	TNEWGTHOW.	WEIGHT	X	AXIS	Y	Y AXIS	Z Wav	AXIS
7	TWT TWT	3			Arui	Time Oct	TATO	4 (11)		
2	25-36101-1	Body Section (As Weighed	ghed)	339.45	777.97	26,467.0	99.58	33,803.4	100.30	34,046.5
4		ADD:		0						
9 2						,				
ω σ		DEDUCT:		0						
임검	10 25-36101-1	Body -Section (Complete)	te)	339.45	777.97	26,467.0	99.58	33,803.4	100.30	34,046.5
12	<u> </u>									
17										
35							,			
91										
18										
19										
S n										
22								,		
23				•						
24										
25		,	٠							
56										
27										
8										
<u> </u>										
2 2										
32										-
1	<u> </u>	**************************************								

MOD2-13946-5

			·	·		ا ۔ ا	 -			-1	 				Т-1	_	_		T	7-	Т	Ţ.	7-	Τ-	Т	7	7	T	\Box
		AXIS	NOMENT	34,250.9					0 010 10	4,025,49								•											
	1 D RTS	Z	ARM	100.24					100 00.	100.24																			
	OPR-2101 1,/29/63 1, BAIRD G, ROBERIS	AXIS	MOMENT		·				1 · 1	44,047.0																			
	REPORT NO. DATE PREPARED APPROVED	WEIGHT AND BALANCE		49.66					17	42.55												- -			-				
ORD	REPOI DATE PREP	WEIGHT	MOMENT	26,643.4					C (1) 4.	20,043.4																			
ANGE REC)-046	.	ARM	777.97					io min	76.77																			
BALANCE CH	AFO4 (694)-046 25-36101-1 726	Birotar	*ElGHT	341.70		0		0		3#1.70																			
6.2.23 WEIGHT AND BALANCE CHANGE RECORD	TRACTOR DOEING CONTRACT NO. INTERSTAGE 1-2 LOT NO. WS-133 DRAWING NO. OCOO233 U.O. MISSILE	EQUIPMENT CHANGE RECORD	DESCRIPTION OF EQUIPMENT	Body Section (As Weighed)	Ann	AUD:		DEDUCT:		1																			
	ASSOCIATE CONTRACTOR COMPONENT HODEL NO. SERIAL NO.		PART NO.	25-36101-1					r 50170 10	11 25-30101-1						•													
	₹ 0 ¥ 0	INE	Ī	7	7=1	9	70	00	2	4 2	13	7,7	15	97	782	19	8	ก	22	23	7,7	27	97	N'	2	গ্ৰ	R	31	32

NO. D2-13946-5

ASSOCIATE COMPOSENT HODEL NO. SERIAL NO.		CONTRACTOR ROBING CONTRACT NO.	Allo Lilos) ilona	1-046	30	0.0	053-2098	23	
6 8		INTERSTACE 1-2	ALO11074	7	AD	REPORT NO. DATE		3	
<u> </u>	NO. I NO.	WS-133 DRAWING NO. 0000235 U.O. MISSILE	25-36101-1 723	-1	PR AP	PREPARED APPROVED	G. ROBERTS	ROMATH	
		CHANCE RECORD			WEIGHT	WEIGHT AND BALANCE	LANCE		
			YRTCHP	×	AXIS	Y	AXIS	Z	AXIS
	PART NO.	DESCRIPTION OF EQUIPMENT	110	ARM	MOMENT	ARM	MOMENT	ARW	NOMENT
1 1	25-36101-1	Body Section (As Weighed)	343.45	78.07	26,813.3	99.68	34,233.6	100.30	34,449.3
E M		1							
5		ADD:	0						
2 88		DEPTOT	c				•		
6		·TOOMIC							
	25-36101-1	Body Section (Complete)	343.45	78.07	26,813.3	99.68	34,233.6	100.30	34,449.3
12									
13									
15									
16									
17									
18								-	
13									
श त									
22									
23									
74			-	•	,				
25									
56	. [
12								-	
87 87									
22									
27									
32.									

- }

NO D2-13946-5 >

6.2.25 WEIGHT AND BALANCE CHANGE RECORD	ASSOCIATE CONTRACTOR EOETHG CONTRACT NO. AFO4(694)-046 REPORT NO. CFR-2100 COMPONENT INTERSTAGE 1-2 LOT NO. 25-36101-1 PREPARED V. EAIRD MODEL NO. 0000236 U.O. MISSILE 725 APPROVED G. ROBERIS	EQUIPMENT CHANGE RECORD EQUIPMENT CHANGE RECORD WEIGHT X AXIS Y AXIS T AXIS NO DESCRIPTION OF ECHIPMENT NOME OF TAX STAND AND AND AND AND AND AND AND AND AND	Body Section (As Weighed) 341.30 77.85 26,569.8 99.61 33,998.0 100.31		ADD:		DEDUCT:	5101-1 Body Section (Complete) 341.30 77.85 26,569.8 99.61 33,998.0 100.31 34,234.3																	
	ASSOCIATE CORCOMPONENT HODEL NO.	INE CINE	10	3	2	7	. 6	10 11-25-36101-1	13	14	15	12	19	٠	21	22	23	25	25	2	28	29	30	31	32

NO. D2-13946-5

NECORD NEIGHT AND BALANCE	ASSOCIATE COMPONENT	63.64	AGE 1-2	AFO4 (694)-046	3,-046	REDA	REPORT NO. DATE		44.	
EQUIPMENT CHANGE RECORD WEIGHT WEIGH WEIGHT WEIGHT WEIGHT WEIGHT WEIGHT WEIGHT WEIGHT WEIGHT	JUEL FERIAL	 		729		AP	PROVED	G. ROE	FRES	
DESCRIPTION OF EQUIPMENT WEIGHT ARM NOWENT ARM SORE			1			WEIGHT	AND BAI	LANCE		
ADD: O	PAAG	ON	FO MC	WEIGHT		AXIS		3	, ,	AXIS
Body Section (As Weighed) 341.90 77.84 26,614.2 99.47 34,008.5 100.33					Years.	HOLLENT	ייייי	11411000		Timilori
ADD: DEDUCT: Dedy Section:(Coinglete) Ded	25-36	1-1019	Section	341.90	77.84	26,614.2	99.47	34,008.5	100.33	34,302.6
DEDUCT: Deduction::(Complete) 341.90 77.84 26,614.2 99.47 34,008.5 100.33			ATTA							
DEDUCT: Body Section (Complete) 341.90 77.84 26,614.2 99.47 34,008.5 100.33			,	>						
Body Section :: (Complete) 341.90 77.84 26,614.2 99.47 34,008.5 100.33			DEITY C'H							
Body Section :: (Coimplete) 341.90 77.84 26,614.2 99.47 34,008.5 100.33			• 1700000	>						
	25-3(1-1019		341.90	ll	1 1	74.66	34,008.5	100.33	34,302.6
	•				•	•				
							-			
		ì								

PAGE 115

	150		Z AXIS RM NOMENT	5.32 34,344.8					0.32 34,344.8			-		-							-							
OFA-2107	T. VOGEL R. ROBERTS	ANCE		اما					34,046.6																			
PORT NO.	SEPARED PROVED	AND BAI	Y ARM	99.35					99.35																			
		WEIGH	AXIS	26,684.3																				,				-
9†0-(+	-1		X ARM	46.777					46:21																		•	
AFO ¹ 4 (69)	25-36101		WEIGHT	342.35		a		0	342.35	,											,		,					
00 01 01 000	2-T GAN	1	- 10	Body Section (As Weighed)		ADD:		DEDUCE:	1 1	7																		
	CONFORMATION OF SERIAL NO.		PART NO.	25-36101-1																				1				31
	CONTRACTOR - ROETHG CONTRACT NO. AROH (694)-046 REPORT NO.	CONTRACTOR EQETING CONTRACT NO. AROH (694)-046 REPORT NO. OPTE 5/1 VIS-133 DRAWING NO. 25-36101-1 PREPARED T. 0000238 U.O. MISSILE 734 APPROVED R.	SSOCIATE CONTRACTOR - EQETING CONTRACT NO. AFOH (694) -046 REPORT NO. OFFICIAL NO. US-133 DATE 5/13 PREPARED T. SERIAL NO. COOO238 U.O. MISSILE 734 APPROVED R. EDUIPMENT CHANGE RECORD	CONTRACTOR - EACHING CONTRACT NO. AFOH (694)-046 REPORT NO. OFR-2107 INTERSTAGE 1-2 LOT NO. LOT NO. 25-36101-1 PREPARED TO VOCEL 73/63 . 00000238 U.O. MISSILE T34 R. FOBERTS EQUIPMENT CHANGE RECORD WEIGHT AND BALANCE YAXIS XAXIS XAXIS	SSOCIATE CONTRACTOR EDETING CONTRACT NO. AFO'L (694) -046 PREPORT NO. OFR-2107	SSOCIATE CONTRACTOR EOETHG CONTRACT NO. AROll (694) - O46 REPORT NO. OFR-2107	SSOCIATE CONTRACTOR LOTING LOT NO. AROH(694)-046 REPORT NO. OFR-2107	SSOCIATE CONTRACTOR - BOEING	SENCIATE CONTRACTOR DEDUCT: DE	SSOCIATE CONTRACTOR EDELHG CONTRACT NO. AROUL(694)-046 DATE 5/11/63	SECCIATE CONTRACTOR - BOEING CONTRACT NO. APOH (694) - O46 PEPORT NO. OFR-2107	SECULTE CONTRACTOR - EDETING	SSOCIATE CONTRACTOR EDETHIG CONTRACT NO. APOH(694) - Oh6 DATE STACK NO. CER-2107	SSOCIATE CONTRACTOR -EDETHG CONTRACT NO. APOH (694) -046 DATE DATE DATE STATES STATES	SSOCIATE CONTRACTOR - EDELING CONTRACT NO. AROH (694) - O46 PATE 511/63	SSOCIATE CONTRACTOR - BOELING CONTRACT NO. APOH(694)-046 PATE SIA OFF-2107	SSOCIATE CONTRACTOR - BOEING	SSOCIATE CONTRACTOR - DOETHG	SSOCIATE CONTRACTOR - INC. AROH (694) - O46 REPORT NO. CFR-2107	SECTIATE CONTRACTOR EDETHIG CONTRACT NO ANOLHO DATE DATE DATE DATE S/1/63	Sective Contractor Exercise Details De	SCOTIATE CONTRACTOR - EDETHG	SOCIATE CONTRACTOR LEGELIG	SECTIATE CONTRACTOR - BOEDHG	SCOCIATE CONTRACTOR RESIDED CONTRACT NO. AROH (694) - O446 PATE PATE FEPORED PATE PA	Section Contract No. Contract	SECTIATE CONTRACTOR - EDELING	SECTIATE CONTRACTOR - EDELING CONTRACT NO. APOH (694) - Other DATE DA

FAGE 116

	6.2.28 WEIGHT AND BALANCE CHANGE RECORD	BALANCE CH	ANGE REC	ORD				
ASSOCIATE CONTRACTOR COMPONENT HODEL NO. SERIAL NO.	TRACTOR BOEING CONTRACT NO. IITTERSTAGE 1-2 LOT NO. WS-123 DRAWING NO. O000239 U.O. MISSILE	AFO4(694)-046 25-36101-1 738)-046	RE DA PR	REPORT NO. DATE PREPARED APPROVED	C2112 F.c/63 W. EAIRD G. ROBERTS	2 WD ERTG	
	EDUIDMENT CHANGE RECORD			WEIGHT	AND	BALANCE		
H PART NO.	101	WEIGHT	X ARM	AXIS. MOMENT	ARM	AXIS MOMENT	Z ARM	AXIS NOMENT
2 25-36101-1	Body Section (As Weighed)	342.80	77.99	26,733.4	95.65	34,128.8	100.42	34,422.8
4 2	ADD:	0						
8 8 8	DEDUCT:	0						
10 12 25-36101-1 12	Body Section (Complete)	342,80	77.99	26,733.4	99.56	34,128.8	100.42	34,422.8
13								
15								
18								
82.5								
22								
24								
25								
27 28								
29								
200 22								
32.								

MO. D2-13946-5

PAGE 117

-	11

		,							.,.,			11	•			, ,	٠,					-	Τ	7	
			AXIS	34,343.9				34,343.9														,			
	KTS		Z ARM	100.33				100.33							,									-	
	0PR-2103 5/7/63 T. VOGEL G. ROBERTS	ANCE	AXIS MOMENT	34,093.9				34,093.9																	
	REPORT NO DATE PREPARED APPROVED	WEIGHT AND BALANCE	Y ARM	09.66				99.60																	
ORD	REPO! DATE PREPA APPR	WEIGHT	AXIS	26,624.9				26,624.9																	
ANGE REC	1-1		ARM .	77.78				777																	
BALANCE CH	AFO4(694)-046 25-36101-1 728		WEIGHT	342.30	0		0	342.30										7		•				,	
6.2.29 WEIGHT AND BALANCE CHANGE RECORD	CONTRACT NO. 1.2 LOT NO. DRAWING NO. U.O. MISSILE	EQUIPMENT CHANGE RECORD	DESCRIPTION OF EQUIPMENT	Body Section (As Weighed)	ADD:	The treat of	UMOCI:	Body Section (Complete)																	*
	ASSOCIATE CON COMPONENT HODEL NO. SERLAL NO.		PART NO.	25-36101-1				10 11 25=36101-1																	
	A S H R	NE	IT.	- 0 r	7 0	9 20	9 0	वन	27	7,	52	95	18	61	থ ন	123	23	7,7	25	56	123	8	ನಿ	श्र	72

BOEING NO. D2-13946-5

		6.2.30 WEIGH	IT AND B	WEIGHT AND BALANCE CHANGE RECORD	ANGE REC	CORD				
ASSOCIATE COMPONENT	ASSOCIATE CONTRACTOR COMPONENT	TRACTOR BOETHG CONTRACT NO.	T NO.	AFO4 (694)-046)-046	REDA	REPORT NO. DATE		3	
NODEL NO. SERIAL NO.	NO.		SSILE	25-36101-1 730	-1-	AP	PREPARED APPROVED	G. ROBERTS	UD TRTS	
E		EDITPHENT CHANGE RECORD				WEIGHT	AND BALANCE	ANCE		
רוא				VRIGHT	×	AXIS	X	AXIS	7 2	AXIS
#	PART NO.	DESCRIPTION OF EQUIPMENT			ARM .	MOMENT	ARM	MOMENT	ARM	MOMENT
2 25-3	25-36101-1	Body Section (As Weighed)		342.15	77.92	26,659.5	99.58	34,070.6	100.29	34,313.8
1 4.										
n9		ADD:		0						
2 8		DEDICT		C						
6									·	
_1_11	25-36101-1	Body Section (Complete)		342,15	77.92	26,659.5	99.58	34,070.6	100.29	34,313.8
12			-							
14										
15										
15										
18										
19	1									
ଯ			+							
3 57			-							
27 27										
77.			-:							
25						·				
92				•						
12										
28										
29			·							
R					•					
31		***************************************								
32.										

PAGE ±±9

 \rightarrow

	6.2.31 WEIGHT AND	BALANCS CH	BALANCS CHANGE RECORD			
ASSOCIATE CONTRACTOR COMPONENT	NTRACTOR BOEING CONTRACT NG. INTERSTAGE I-2 LOT NO.	AFO4(694)-046		REPORT NO.	5,2,63	
HODEL NO. SERIAL NO.		25-36101-1		PREPARED APPROVED	G. HODENAS	83
Э	THE PROPERTY CHANGE RECORD		WEIGHT	T AND BALANCE	NCE	
NI 7		WRIGHT	X AXIS	Y	Y AXIS	Z AXIS
PART NO.	DESCRIPTION OF EQUIPMENT	71011	ARM MOMENT	. Mar.	MOMENT ,	ARM MOMENT
2 25-361.01-1	Body Section (As Weighed)	342.05	77.93 26.654.6	.1.	34,015.3 10	100.31 34,310.7
3						
5	ADD;	0				
9						
8	DEDUCT:	0				
6						
11 25-36101-1	-Body-Section - (Complete)	- 342.05	77.93 26,654.6	99.45	34,015.3 10	100.31 34,310.7
12						
77				-		
15						
16						
12						-
18						
1.9						
R						
21				+		
22		•				
23				+		
54				+		
97						
27						
20						
29				-		
2			\			
72		\ <u>\</u>				
74.						

MO. D2-13946-5

J.		K 2 22 WEIGHT AND BALANCE CHANGE RECORD	BALANCE CH	ANGE RE	30RD				
4 .0	ASSOCIATE CONT	CONTRACTOR BOLLING CONTRACT NO.	AFO4 (694)-046	940-(RES	REPORT NO.	0.13-2110	0	
N X O	HODEL NO. SERIAL NO.		25-36101-1 736	7-	PR	PREPARED APPROVED	R. ST. ROM G. ROBERTS	ROMATH	
9	, L	CHANGE RECORD			WEIGHT	WEIGHT AND BALANCE	LANCE		
r in			WEIGHT	Х	AXIS	Y	AXIS	7	AXIS
_	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	'IRM.	MOMENT	ARM	MOMENT
7				10 04	. 0 :01	02 00		0000	. 000
2 6	25-36101-1	Body Section (As Weighed)	339.42	10.04	20,491.0	72.52	33,001.2	700.50	34,039.1
4									
o N		ADD:	0						
2									
∞		DEDUCT:	0						
7 2							1. [
11:	25-36101-1	Body Section : (Complete)	339.45	78.04	26,491.0	99:59	33,807.5	100.28	34,039.7
13									
1,4									
15									
9									
17									
28									
19									
ର :									
7									
ן אי									
O F									
٦١٢									
12									
3									
28									
59									
2				,					
31									
32		And the first of the second se	-						
1									

2-5550_T0-11 R1

PAGE 121

ECORD	REPORT NO. CON-EAST DATE DATE PREPARED W. DAIND APPROVED G. ROBFKES	HT AND BALANCE Y AXIS Z A	HOMENT ARH MOMENT ARM MOMENT	77.89 26,616.4 59.56 34,020.1 100.25 34,256.5				77.89 26,616.4 99.56 34,020.1 100.25 34,256.5																	
6.2.33 WEIGHT AND BALANCE CHANGE RECORD	CONTRACTOR BOEING CONTRACT NO. AFO4 (694) -046 INTERSTAGE 1-2 IOT NO. 25-36101-1 WS-133 U.O. MISSILE 722	ECOR	DESCRIPTION OF EQUIPMENT	Body Section (As Weighed) 341.70	ADD: 0		DEDUCT: 0	Body Section (Complete) 341.70																A	•
	ASSOCIATE CO COMPONENT MODEL NO. SERIAL NO.	rine -	PART NO.	2 25-36101-1	4 5	9	8	9 10 11 25-36101-1	13	14	16	. 21	6.	8	23	22	27	25	26	- 12	28	59	20	31	77.7

SECOLATE ONTE POSETIG			6.2.34	WEIGHT AND BALANCE CHANGE RECORD	BALANCE CH	ANGE REX	CORD				
PREPARED PREPARED	A.S.S	SOCIATE CON PONENT	F.13E	CONTEACT NO.	AF 04(6	940-(46	RE.	PORT NO.	11-7-67	3.1	
PART NO. DESCRIPTION OF EQUIPMENT AND MEIGHT AND DESCRIPTION OF EQUIPMENT AND	ioii S语S	SEL NO.		DRAWING NO. U.O. MISSILE	25-3610	1-1	PR	EPARED PROVED	1 1 1	TATIANS	N
PART NO. DESCRIPTION OF EQUIPMENT AND MANIET AND	<u> </u>		1 .				WEIGHT	AND BAL	ANCE		
PART NO. DESCRIPTION OF EQUIPMENT ARM NONEW ARM 25-36101-1 Body Section (As Weighed) 344,55 78,03 26,885.3 99,62 34,327.1 100,33 25-36101-1 DEDUCT: 0 ADD: 0 ADD: ADD: 0 ADD: ADD: <td>NIC</td> <td></td> <td>•</td> <td></td> <td>URTCHP</td> <td>×</td> <td>AXIS</td> <td>X</td> <td>AXIS</td> <td>1</td> <td>AXIS</td>	NIC		•		URTCHP	×	AXIS	X	AXIS	1	AXIS
25-36101-1 Body Section (As Weighed) 744.55 78.03 26.885.3 99.62 74.327.1 100.33 DEDUCT: 0 0	I I	PART NO.		UIPMENT	THOTEN.	ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
ADD: DEDUCT: 0 DEDUCT: 0 DEDUCT: 1 DEDUCT: 0 25-36101-1 Deduction (Complete) - 744,55 78,05 78,05 74,327.1 100.33		5-36101-1		hed)	344.55	78.03	26,885.3				34,570.4
25-36101-1 Body-Section (Complete)- 544,55 78.03 26,889;3 99.62 34,327,1 100.33	7		ADD:		0						
25-36101-1 Boëy-Section (Complete) - 544,55 78.05 26,885;3 99.62 34,327:1 100.33	مام		nentrom.				,				
25-36101-1 Body-Section (Complete) - 744.55 78.03 26,889; 3 99.62 34,327.1 100.33	9 6		Uzijuci:		5						
	11.5	5-36101-1	1.1			78.03	26,889.3		•		34,570.4
	13										
	7 4					,					
	191									•	
	17										
	18										
	13							-			
	श्र										
	122										
	23										
	54		1			-					
	25										
	97										
	N N									+	
	28				ì					 	
	87										
	R	•				\					
	31				,						
	32	***************************************									•

RAGE .45

		6.2.35 WEIGHT AND BALANCE CHANGE RECORD	BALANCE CH	IANGE RE	30RD					
ASS	ASSOCIATE CON	ASSOCIATE CONTRACTOR BOEING CONTRACT NO.	AFO4 (694)-046	7-046	RE	REPORT NO	OPR-2093	23		
NOI SEES	NODEL NO. SERIAL NO.		25-36101-1 718	7	A P	PREPARED APPROVED	R. HOLCOMB	OMB		
3		CHANGE CHANGE OFFI			WEIGHT	WEIGHT AND BALANCE	LANCE			•
LIN		TOOTH I	WEIGHT	X	AXIS	Y	₹	2	AXIS	,
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM .	MOMENT	AKM	MOMENT	AKK	MOMENT	
777	25-36101-1	Body Section (As Weighed)	341.70	77.94	26,631.4	29.71	34,069.6	100.26	34,259.2	
7-4										,
5		ADD:	0							
2										,
ω σ		DEDUCT:	O							
2 2 2	10 11 25-36101-1	Body Section (Complete)	341.70	46°-LL	26,631.4	99.71	34,069.6	100.26	34,259.2	1
12										 ,
14										
12										
1.0										
181										· · · · ·
19	1									
ର ନ										-, -
3 2										, ,
23							,			
77										
25										
92									-	
12										
28			_							
53						-		.]		
R		77 male and 100 ma								-1
31			\ <u>\</u>							77
32										

BOEING NO. D2-13946-5

PAGE 121

2-7824-0-8

00000 0000 NO D2-13946-5

Serial Number: 0000207

6.3.1 MISSILS WEIGHING CHECK LIST No. 21	
6.3.1 HISSILS WEIGHING CHECK LIST WS-1.33 FIRAL ASSEMBLY DRAWING NO. 21.501.50 WS-2.33 FIRAL ASSEMBLY DRAWING NO. 21.501.50 WS-2.30 PART NO. NEURING NO. 21.501.50	
6.3.1 HISSILS WEIGHING CHECK LIST WS-1.33 FINAL ASSEMBLY DRAWING NO. 21-50150 YE DEAV ROLL ASSEMBLY DRAWING NO. 21-50150 WS-1.33 FINAL ASSEMBLY DRAWING NO. 21-50150 YE DEAV ROLL NO. 650 WS DESCRIPTION OF THE ROLL NO. 650 WS DESCRIPTION OF T	
6.3.1 MISSILE WEIGHING CHECK LIST 6.3.1 MISSILE WEIGHING CHECK LIST MISSILE NO. 21-50150 WE-133 FINAL ASSEMBLY DRAWING NO. 21-50150 WES-133 FINAL ASSEMBLY DRAWING NO. 21-50150 WES-133 FINAL ASSEMBLY DRAWING NO. 21-50150 WES-133 WES-134 WES-1	
6.3.1 MISSILE WEIGHING CHECK LIST WE-133 FINAL ASSEMBLY DRAWING NO. 21-50150 WE-233 FINAL ASSEMBLY DRAWING NO. 21-50150 WE-233 FINAL ASSEMBLY DRAWING NO. 21-50150 WESTLEROW CONTROLLED NO. 620 WESTLEROW NO. WENCH NO. Noted E2-36081-1 E2-26031-1 E2-260	
Serial Number: 0000207 Serial Number: 0000	
6.3.1 MISSILE WEIGHING CHECK LIST 6.3.1 MISSILE WEIGHING CHECK LIST MISSILE NO. 690 MISS	
6.3.1 MISSILE WEIGHING CHECK LIST WE-133 FINAL ASSEMBLY DRAWING NO. 21-50150 WE-133 FINAL ASSEMBLY DRAWING NO. 22-50150 WISSILE NO. 690 WISSILE NO. WENCHT X ARM X ARM Z MISSILE NO. 100260 WHISSILE NO. WENCHT X ARM Z MISSILE NO. 100260 WHISSILE NO. WENCHT X ARM Z MISSILE NO. 100260 WHISSILE NO. WENCHT X ARM Z MISSILE NO. 100260 WHISSILE NO. WENCHT X ARM Z MISSILE NO. 100260 WHISSILE NO. WENCHT X ARM Z MISSILE NO. 100260 WHISSILE NO. WENCHT X ARM Z MISSILE NO. 100260 WHISSILE NO. WENCHT X ARM Z MISSILE NO. 100260 WHISSILE NO. 100260 WHISS	
Serial Number: 0000207	
Serial Number: 0000207	
Serial Number: 0000207	11
Serial Number: 0000207	
Serial Number:	
Serial Number:	$+\!\!+\!\!\!-$
6.3.1 MISSIL WS-133 OY SECTION-GUIDID (4) (4) (2) (3) (4) (4) (4) (4)	
6.3.1 MISSIL WS-133 (4) (7) (4) (1) (2)	
6.3.1 MISSIL WS-133 OY SECTION-GUIDID (4) (4) (2) (4) (2) (4)	
6.3.1 MISSIL WS-133 OY SECTION-GUIDID (4) (4) (2) (4) (2) (4)	
6.3.1 MISSIL WS-133 OY SECTION-GUIDID (4) (4) (2) (4) (2) (4)	
6.3.1 WS-1.33 OY SECTION (A Comm	
6.3.1 WS-133 (
1	
AODEL WEST COMPONENT EDDY COMPONENT EDDY DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION ON Cable Suppr.	
NOD NOD NOD SECTION COMPONE DESCR CEDLE 6 CEDLE 7 CEDLE 6 CEDLE 7 CEDLE 7 CEDLE 6 CEDLE 6 CEDLE 6 CEDLE 7	
Berrie Britania Brita	
HASTLE COMPONENT EDI SECTION NISSILE COMPONENT EDI SECTION ASSY SECTION ASSO SECTI	
HISSI British British Insula	
CHECK LIST NO. 9 DATE DATE 700Y SEC Screw Screw	
2-5550-0-79	

NO. D2-13946-5

	6 3 1 WEIGHT AND BALANCE CHANGE RECORD	BALANCE CHI	INGE REC	CORD				
ASSOCIATE CON	00 1	AFO!: (694)-046	940-		REPORT NO.	196/85 2/965	E. S	
MODEL NO.		25-36080-1	r	E. A.	PREPARED		CHRISTIATISET	
SERIAL NO.	00:0207 0.0 MISSILE	069	-	AP.	APPROVED	G. FOBEATS	55.15	
3	WHITEMENT CHANGE RECORD			WEIGHT	WEIGHT AND BALANCE	ANCE		·
רוא		WETGHP	X	AXIS	. ≯1	AXIS	Z	AXIS
P. T. 110.	DESCRIPTION OF EQUIPMENT	TIPTON	ARH	NOMENT	ARM	HOMENT	ARM	MOMENT
205-3530-1	Body Section (As Weighed)	274.70	63.67	18,862.8	100.52	27,612.3	100.50	27,606.5
121								
5	ADD:	0						
8	DEDJC::	0						
10								
11 25-36080-1	Body Section (Complete)	274.70	68.67	18,862.8	100.52	27,612,3 100.50	100.50	27,606.5
13								
14								
16								
1.8								·
1.9								
8 6								
22								
23								
24								
25								
328								
28								
53				٠				
. 0%								
31								
i 32								

PAGE 127

)

			110 GOM 4 14 G	750 G OK 4	ממטי				
		6.3.2 WEIGHT AND DALANCE CHANGE RECORD	DALANCE OR	ANGE KEN) ORD				
4 C	ASSOCIATE CON	CONTRACTOR ENTER CONTRACT NO.	AFO4 (694)-046	9+0-(RE	REPORT NO.	OPR-2382 3/98/63	60 8	
) X Q	MODEL NO.	38	25-36080-1 697	7	PR PR	PREPARED APPROVED	H, CHRISTI G, ROBERTS	H. CHRISTIALSEI G. ROBERTS	
NE		EQUIPARIT CHANGE RECORD			WEIGHT	WEIGHT AND BALANCE	ANCE		
ΙΊ	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	ARM	AXIS	ARM	AXIS	Z ARM	AXIS
7									
NIE	25-35080-1	Rody Section (As Weighed)	276.15	68.60	18,944.3	100.50	27,751.8	300.80	27,836.6
	,								
5		Ain:	0						
9									
Y									
20		DIEGUCIT:	0						
57 9									
2		1			110				750 25
	11 25-36080-1	Body Section (Complete)	276.15	68.69	18,944.3	100.50	27,751.8 100.80	100.60	27,830.6
7 1									
7									
# !									
5									
36									
12		•							
2									•
19									
ଯ									
2									
22		•			,				
23									
7,7		• • • • • • • • • • • • • • • • • • • •							
25									
26									
2									
82									
53									
R									
37									
32		``							
			T	1				1	

| NO. D2-13946-5 | PAGE 128

	6.3.3 WEIGHT AND BALANCE CHANGE RECORD	BALANCE CH	ANGE REC	CORD			,	
ASSOCIATE CONT	CONTRACTOR EDITIG CONTRACT NO.	AF04(694)-046.)-046.	18. No.	REPORT NO	. C.3-803	i i	
NODEL NO.	60	25-36080-1	7	A. P.	PREPARED APPROVED		CONTRACTOR	
	GCOMMA GRANCE			WEIGHT	P AND BALLINGE	CANCE		
	TOO TO	TESTER	×	AXIS	Y	AXIS	2	AXIS
PART NO.	DESCRIPTION OF EQUIPMENT		A FEW	MOMENT	ARM	MOMENT	ARM	NOMENT
2 25-35380-1	Body Section (As Weightd)	273.95	68.65	18,808.6	100.38	27,499.2	100.57	27,551.5
5	ADD:	0						
9								
8	DINJON:	0						
1 1.	1	1	000	0000	000	1.1		0.4
11 25-55000-1 12	Body Section (Complete)	2(3.95	00.00	10,000.0	100.30	7.433.5	100.50	Z (, , , , , , , , , , , , , , , , , ,
1.5								
14								
15								
Žī								
18					-			
39								
21								
22								
23								
54								
25								
23 22								
28								
29								
30								
31								
32								

PAGE 129

j

		K 2 h WEIGHT AND BALANCE CHANGE PECORD	BALANCE CH	ANGE RE	CORD			:	
5550-		00 00	AFO4 (694)-046	940-(REPORT NO.	1gc)=13 ·	2.5	
·	COMPONENT HODEL NO.	SZIAT LOT NO. WS-1.33 DRAWING NO.	25-35080-1	 	id Id	DATE PRSPARED	50 7	TOS TREES TO THE	
	SERIAL NO.		707		A	APPROVED	6, 7057,038	31.0	
E		ENTITEMENT CHANGE RECORD			WEIGH	WEIGHT AND BALANCE	LANCE		
ГІИ		,	EIGHT.	X	AXIS	Y	A	2	AXIS
	PART NO.	DESCRIPTION OF EJUIPMENT		ARM	MOMENT	ARH	MOMENT	ARM	NOMENT
	2.25-3:000-1	Body Scepton (As Velined)	0	13.07	18,928.5	100,58	1.00.58 27,660.4	74.001	27,629.3
4-4									
17		ADD:	0						
0 0									
ω		Disc.	0						
6									
임	2000		021	40 07	7 900 91	22 00 1	1 099 40	700 1.7	2 009 20
42 42	11 25-30303-1	Comparation (compared (con	20.00	00.00	20,930.2	00.001	100.00L	17.77	C1820112
[2]									
14									
12	1.0								
16	1.6								
177									
Ω Π									
5		•							
ଯ	-								
77									
22									
- 23									
7.		1							
25									T
56									
72	-								
82						1	-		
87									
8									
7						-			
32	-								

. (

NO. D2-13946-5 PAGE 130

	6.3.5 WEIGHT AND	WEIGHT AND BALANCE CHANGE RECORD	ANGE RECO	RD		4		
ASSOCIATE CONCOMPONENT	CONTRACTOR EDETTY CONTRACT NO.	AFO4 (694) -046	940-(RE	REPORT NO.	. CFE-2278 5/1/69	<u>[7</u>	
HODEL NO. SERIAL NO.		25-36080-1 688	1-1	P.R.	PREPARED APPROVED	0. 1017.0 6. 1017.438	.D 2878	
	EDITEMENT CHANGE RECORD			WEIGHT	WEIGHT AND BALANCE	LANCE		
		TEXTEN.	X.	AXIS	¥	AXIS	2	AXIS
, PAKT NO.	DESCRIPTION OF EQUIPMENT		- NEW	MONENT	ARM	MOMENT	ARM	MOMENT
2 25-36050-1	Body Section (As Poirhed)	272.20	(C): (C)	.62 16,725.3	100.68	27,405.8	100.53	27,364.0
5,	ADD:	С						
5								
88	DEDUCAT	0						
101								
11 25-36080-1	Body Section (Complete)	272,20	68.80 1	18,726.3	100.68	27,405.8	100.53	27,364.0
12								
14:								
15								
161								
17			-					
19								
, R				-				
21								
23								
245								
25								
26								
122								
28								
29		-	-					
2,2								
22								
74								

NOD2-13946-5 >

† j

•			T. VOGET. G. ROBERTS	BALANCE	AXIS Z A	27,390.1 100.60 27,438.8				0 0x1 70 07 0x1 1 00 0	E11,220:1 100:00 E1,430.6						•											
		REPORT NO. DATE	APPROVED	WEIGHT AND BA	Y Y	Ĭ				.5 100 to	1-1						ļ.					:		1			+	
	RECORD	9		SM.	X AXIS					3 18.719.5	-															-	. -	
	CHANGE	AFO4 (694)-046 25-36080-1			ARM	9	- -			68.63		- -	-			- -	-		_	-	+				_	-	-	
	BALANCE	AFO4 (694)-	693		WEIGHT	272.75))	0	272.75																		
	0.0	NTRACTOR EQELLIG CONTRACT NO. SKIRT LOT NO. W3-133 DRAWING NO.	GOOOSIA U.O. MISSILE	EQUIPMENT CHANGE RECORD	DESCRIPTION OF EQUIPMENT	Body Section (As Weighed)	ADD:		DEDUCT:	Body Section (Complete)																		
		ASSOCIATE CONTRACTOR COMPONENT HODEL NO.	SERIAL NO.	INE	PART NO.	2 25-36080-1 3	4 5	9	80 0	125-36080-1												i						
ــــا کــد		·		بالال		لللل				당보는	13	14	-1/-	3.7	37	2) 8	ર્ીટ	112	23	77	25	%	27	3	53	왕:	12	22

PAGE 132

L		40)	T CITA MINISTERNA	TO GONT INC	AMOT DEC	udo			\ 		
		6.3.7	WEIGHT AND DADANCE CHANGE RECORD	SALANCE CH	ANGE KEN	ORU					
# 5	ASSOCIATE CONT	CONTRACTOR BOEING	CONTRACT NO.	AFO4 (694)-046	970-(RE	REPORT NO. DATE	OPR-2083 4/1/63	33		
2 % S	CONFORMAT HODEL NO. SERIAL NO.	WS-133 0300215	DRAWING NO. U.O. MISSILE	25-36080-1 700		AP AP	PREPARED APPROVED	H. CHRISTI G. ROBERTS	CHRISTIANSEN ROBERTS		
ञ	,,,	ROHTEMENT CHANGE RECORD				WEIGHT	WEIGHT AND BALANCE	ANCE			
T IN		direction that the second		WEIGHT	×	AXIS	. ⋈ 🗂	AXIS	Z	AXIS	
	PART NO.	DESCRIPTION OF EQ	EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT	
	£ 200/0 10	Dody, Gootton (Ac Vel ghed	മാല	. 1/20	. 89	7 68861	100 43	27 516 0	100 64	27 576.4	
<u>ব</u>	1-100005-47		Bucu)	7.10	t)	10,001.1		-117-0-2		-11712	
7	3										
5		ADD:		0							
9											
7											
8		DEDUCT:	•	0			ľ				
9	.				-						
9		- }			10 0)	20 00	0.100	0 70 10	100 61	7 743 40	.,
नः	25-36080-1	Body Section (Complete	te)	274.00	\$ 8	100,01	T001-#3	در1,210.y	100.001	41016117	
77											 -
岩											
15		٠							·		 -
16					:						
17								.			·
18											
139					·					•	
ଯ											,
น			••								
22			•			•					
23											
7,7		••••									
25											_
26											
8							٠				 -
82		r									
29			•								
Š	•			.							
31								•			
32				,						,	
											7

NO.D2-13946-5

CONTEACT NO. AFO4 (694) - C46 DATE A/3/63			6.3.8 WEIGHT AND BALANCE CHANGE RECORD	BALANCE CH	ANGE RE	CORD				
Perform Perf	ASSOCIAT COMPONER	1	BOEING	AF04(694	940-(ESE PE	PORT NO.	OPR-208	35	
Part No. Description of Equipment Neight Neigh Neig	HODEL NC SERIAL N	5		25-36080 704	급	P.F.	EPARED PROVED	H, CHRI G, ROBE	STTANSEN	
PART NO. DESCRIPTION OF EQUIPMENT WEIGHT ARM NOMENT AR	9		1			WEIGHT	AND BAI	LANCE		
PART NO. DESCRIPTION OF EQUIPMENT ABM MONENT ABM MONENT ABM MONENT ABM	רוא		- 1	VETGHT	X	AXIS	Y	AXIS		AXIS
25-36080-1 Body Section (As Weighed) 272.50 66.85 18.760.8 100.46 27.374.2 100.59 DENUCT: 0 0 272.50 66.65 18.760.8 100.46 27.374.2 100.59 25-36080-1 Body Section (Complete) 272.50 66.65 18.760.8 100.46 27.374.2 100.59		NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
ADD: DEDUCTI: 0 DEDUCTI: 0 25-36080-1 Dedy Section (Complete) 272.50 68.65 18.760.8 100.46 27.37h.2 100.59) 1	1980-1		272.50	68.85	18,760.8	100.46			27,412.0
ADD: 0 DENUCT: 0 DENUCT: 0 E5-36080-1 Body Section (Complete) 272.50 68.85 18,760.8 100.46 27,374.2 100.59	E 3									
25-36080-1 Denucit: 0 272.50 68.85 18,760.8 100.46 27.374.2 100.59	5		ADD:	О						
25-36080-1 Body Section (Complete) 272.50 68.65 18.760.8 100.46 27.374.2 100.59	0									
25-36080-1 Body Section (Complete) 272.50 68.85 18,760.8 100.46 27,374.2 100.59	8		DEDUCT:	0						
25-36080-1 Body Section (Complete) 272.50 68.85 18,760.8 100.46 27.374.2 100.59	9 6									
		1-080		272.50	68.85	18,760.8	100.46	27,374.2	100.59	27,412.0
	12									
	74									
	15									
	16									
	12					-				
	18									
	139									
	3 5	1								
	22									
	23									
25 26 27 28 29 29 31	24									
26 27 28 29 30 31	25									
27 28 29 30 31 32	56				·					
28 29 30 31 32	22									
29 30 31 32	28									
31 32	29									
32	20									
32	31		-				-			
	32									

PAGE 134

ı,

	RT NO.	PREPARED W. BAIRD APPROVED G. ROBERUS	WEIGHT AND BALANGE	Y AXIS Z AXIS ADM MOMENT ARM NONENT		100.31 27,554.3 100.75 27,675.4					100.31 27,554.3 100.73 27,675.4					,															
S CHANGE RECORD	AFO4(694)-046 REPOI		WEIGHT	TE X AXIS	-	68.71 18,875.9					68.71 18,875.9																				
WEIGHT AND BALANCE CHANGE RECORD	I NO.	DRAWING NO. 25-36080-1	na.	WEIGHT	11	(As Weighed) 274.70		0		0	(Complete) 274.70								4	-											
6.3.9	CONTRACTOR BOBING	WS-133 0000217	GOURGE SENTING THREE DESCRIPTIONS	I C		Body Section (As V		ADD:		DEDUCT:	Body Section (Com								***												
	1	COMPOSENT HODEL NO. SERIAL NO.	E	NI I		2 25-36080-1	4	. 9	7	8 0	 11 25-36080-1	12	14	15	16	17	18	19	ୟ	7.	22	23	24	25	56	22	28	52	20	31	32

NO.D2-13946-5

		111	T		W.T.	4.1		\neg	T			-	- -			Π	1	<u> </u>	T	T		T	1		T	T			1	T	1	T	
11				AXIS	MOMENT	27,784.1						F 1/84 70	21.15																				
*	8	Brits		Z	ARM	100.54						12 00 1	T00.54														-						
	OPR-2090	W. BAIRD G. ROBERIES	ANCE	AXIS	MOMENT	27,789.9						. O 682 20	Z1, 109:2																				
	REPORT NO.	PREPARED APPROVED	WEIGHT AND BALANCE	₩	ARM	100.56						72	300.50																				
ORD	RE	PR	WEIGHT	AXIS	MOMENT	18,983.0							16,983.0				·																
ANGE REC	940-(1		×	ARM	68.69						3, 6,	69.69																				
SALANCE CH	AFO4 (694.)-046	25-36080-1 712		WEIGHT		276.35		0		C		720	2(6.35																				
WEIGHT AND BALANCE CHANGE RECORD	CONTRACT NO.	DRAWING NO. U.O. MISSILE			EQUIPMENT	zhed)							;e)																				
6.3.10	BOETMG	WS-133 0000218	GEOTTE GENERAL CHANGE		DESCRIPTION OF EQ	tion (As Weighed						- 1	tion (Complete																				
	CONTRACTOR BOT	WS	i) wanatii		DESCI	Body Section		ADD:		DEDUCT:		, , , , , , , , , , , , , , , , , , ,	Body Section																				
	ASSOCIATE CON	HODEL NO. SERIAL NO.			PART NO.	25-36080-1							25-36080-1									,											
	₩ 0		Ξ	ΓIN		1 N K	1-1	7	9 6	0	6	70	45	77	17	15	16	12	18	19	ଯ	21	22	23	72	25	56	12	28	2	Ŗ	3	32

MO.D2-13946-5

PAGE 136

		6.3.11	WEIGHT AND BALANCE CHANGE RECORD	SALANCE CH	ANGE REC	ORD				
4,0	ASSOCIATE CON	CONTRACTOR POSITIG	CONTRACT NO.	AF 04(6	AF 04(694)-046		REPORT NO.	OPR-2092 4-12-63	28 5	
دن بدم ر	CONFORMAT HODEL NO. SERIAL NO.	NS-133 0000219	DRAWING NO.	25-36080-1	0-1	PR	PREPARED APPROVED	T. VOGEL G. ROBERTS	al. GRTS	
2		CHOCHO RONAHO CHANGILICA				WEIGHT	WEIGHT AND BALANCE	ANCE		
INI		BOLFINGL CHANGE ABOUND		VETGHT	×	AXIS	Y	AXIS	' Z	AXIS
I	PART NO.	DESCRIPTION OF EX	EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
	c									Í
2 6	25-36080-1	Pody Section (As !'eighed)	thed)	277.00	68.75	19.045.1	100.49	27,835.0	100.57	27,859.1
7-27	,									,
5		ADD:		0						
9										
7										
∞		DEDUCT:		. 0 .						
9	.					,			+	
2				00 000	10 0)	20.06	00 5	0220	00.5	20 070 1
45	25-36080-1	Body Section (Complete,	(9)	2001//2	600.72	19,040,1	100.49	-0,220,72	72.001	7.620177
13						0				
14							,			
15	,									
16										
12										
18										
19			•		·					•
ଯ										
21										
22			•							
23										
72		· · · · · · · · · · · · · · · · · · ·								
25										
26										
8										
28										,
29										
8	•			•						
[31										
32			•					,		

	6.3.12 WEIGHT AND	DALANCE CHANGE RECORD	LANGE RE	CORD			•	**
ASSOCIATE CON COMPONENT	CONTRACTOR BOSING CONTRACT NO.	AF 04(6	AF 04(694)-046	RE DA	REPORT NO.	OPR-2095 4-19-63	395	
		25-36080-1	30-1	PR	PREPARED APPROVED	R. HOLCOMB	COMB	
91	EDUIPMENT CHANGE RECORD			WEIGHT	AND BALANCE	ANCE		
VII	10	WEIGHT	X	AXIS	1	Y AXIS	Z	AXIS
al i	- 11 - 11		AKU	FIUMERIT	ARN	roman I	H.Ku'i	MOMENT
2 25-36080-1	Body Section (As Weighed)	274.40	68.71	18,852.7 100.29	100,29	27,520.7	100°24	27,641.8
4	ADD:	0						
9								
2	nemice.	c						
6	DEDUCT:							
10								
11 25-36080-1	Body Section (Complete)	274.40	68.71	18,852.7 100.29	100,29	27,520.7	100.74	27,641.8
13								
14								
15								
16								T
18								
19								
82								
77								
22								
. 23				,				
24								
25								
37								
. 28								
29								
30								
31								
32								

PAGE 138

_

	6.3.13 WEIGHT AND BALANCE CHANGE RECORD	BALANCE CH	ANGE RE	CORD				
ASSOCIATE CON	CONTRACTOR BOEING CONTRACT NO.	AFO4(694)-046)-046	RE	REPORT NO.	OFR-2089	6	
HODEL NO.	WS-133 DRAWING NO. 00000221 U.O. MISSILE	25-36080-1	-1	PF PF	PREPARED APPROVED	H. CHRISTI G. ROBERTS	CHRISTIANSEN ROBIERTS	
	CHANGE RECORD			WEIGHT	WEIGHT AND BALANCE	ANCE		
ļ		WEIGHT	X	AXIS	¥	AXIS	2	AXIS
PART NO.	DESCRIPTION OF EQUIPMENT		ARM	HOMENT	ARM	MOMENT	ARM	MOMENT
2 25-36080-1	Body Section (As Weighed)	276.00	68.70	18,960.8	100.42	27,716.9	100.49	27,736.4
4	, tree A							
9	AUD):	0						
2	The Table of City							
. 6	DELOCE:	0						
10 25-36080-1	Rody Section (Complete)	276.00	68.70	18.960.8	100.42	6.91.72	100.49	7.736.4
1 1	1	22.2	2	2.227(2-		-111=2:7		
13								
14								
16								
12								
18					-			
19								
ଯ								
22								
23								
24			•					
25								
56								
1/2								
28	•							
59								
22								
51								
32								

PAGE 139

j

	6.3.14 WEIGHT AND BALANCE CHANGE RECORD	BALANCE CE	LANGE REC	ORD				
NOD ELT.	TE CONTRACTOR <u>POELITG</u> CONTRACT NO.	AFO!;(694)-046	940-(R	REPORT NO.	1/07/63	ν.	
No. NO. SERIAL NO.	U.O. MISSILE	25-36080-1	-1	PR	PREPARED APPROVED	E, CHRISTI G. ROBIREDS	CHRISTIANSEN ROBLETIS	
Э	CHANGE RECOED			WEIGHT	WEIGHT AND BALANCE	CANCE		
I IN		THEIGHT	×	AXIS	X	AXIS	Z	AXIS
PART NO.	DESCRIPTION OF EQUIPMENT		- ARY	MONENT	ARM	MOMENT	ARM	NOMENT
2 25-25080-1	Body Section (An Veighed)	274.70	137	16.285.5	300.48	27,601.4	100.64	27,646.4
4, 2	A DD:	C						
9		,						
2	DEDVICE.							
6	DEDOCE							
10 25-36080-1	Body Section (Complete)	274.70	68.75	18,885.3	100.48	27,601.4	100.64	27,646.4
12								
13								
141								
15,								
171				j				
18								
19				;				
2 2								
22								
23			,					
1 77	,							
25								
56								
1/2								
28								
29								
25								
7.7								
X			1					

.C. 35557765 NO.D2-13946-5
PAGE 140

	193	VOIT		Z A	AEM NOMENT	300.63 27.642.8					8 617 66 27 WI														
6.3.15 WEIGHT AND BALANCE CHANGE RECORD	. 05R-2093	T. VOITE G. ROBEA	WEIGHT AND BALANCE	A	MOMENT	27,612.3					2 617 66														
	REPORT NO DATE	PREPARED APPROVED			L ARM	18,927 8 100,52					23 001 8						-								
	146			X AXIS	TWENON	_1_1_					2 000	-						-	-	-	 				
	69t,)_0 ¹	30-1			FE.	693					08 67	000		 					_	!	 		_	 	
	AF 04(694)-046	25-36080-1				274.20		o		0	100	2/4.70													
	CONTEACT NO. LOT NO. DRAWING NO. U.O. MISSILE		G.		EQUIPMENT	Seirhed)					-	lete)													
	EOETAG SCIET WS-133 OOOO223		CHANGE GRANGE OF THE CRANGE	- 1	DESCRIPTION OF	Section (As Ne						ection (Complete													
	CONTRACTOR		WENT HEAT		Ö.	Body S		(177;	303	D-0/07	- L	Rody Section										_			
	ASSOCIATE CON	HODEL NO. SERIAL NO.			PART NO.	25-36080-1						7-02040-CZ													
2-5550-0-11 R1												12													

NO D2-13946-5 PAGE 141

PAGE 142

1

	6.3.17 WEIGHT AND	WEIGHT AND BALANCE CHANGE RECORD	GE RECORD				
ASSOCIATE CON	CONTRACTOR EDITIG CONTRACT NO. SKITRT LOT NO.	AFO4(694)-046		REPORT NO.	. OPR-2099 4/22/63	6	
HODEE NO.	25	25-36080-1 724		PREPARED APPROVED	R. ST. RO'ALH G. ROBERTS	ROZÁTIV RTIS	
3	EDITTEMENT CHANGE RECORD		WEIG	WEIGHT AND BALANCE	LANCE		
r IN		TESTORE I	X AXIS	Y	AXIS	ZA	AXIS
PART NO.	DESCRIPTION OF EQUIPMENT		ARM MOMENT	ARM	MOMENT	ARM	MOMENT
2 25-36080-1 3	Body Section (As Weighod)	274.55	. 63 18.898.1	100.50	27,591.8	100.61 2	27,622.3
4 5	ADD:	0					
8 2 8	DEDUCT:	0					
9 10 11 25-36080-1	Body Section (Complete)	274.55 6	68.83 18,898.1	100.50	27,591.8	100.61	27,622.3
12							
14							
16							
18							
29							
21			 				
22							
7.							
25						1	
56							
. ZZ							
23 02							
30							
31				-			
32							

	6.3.18 WEIGH	T AND BA	WEIGHT AND BALANCE CHANGE RECORD	ANGE REX	CORD		3.7		
ASSOCIATE CONT	CONTRACTOR BOEDIG CONTRACT NO.	T NO.	AFO4 (694)-046	940-(2 2	REPORT NO.	OPR-2102 4/23/63	20 ~	
HODEL NO. SERIAL NO.			25-36080-1 727	- -i		PREPARED APPROVED	W. BAIRD G. ROBERIS	3D TRITS	
	1 1 1				WEIGH	WEIGHT AND BALANCE			
INI	LAUIMANT CHANGE RELOKU		WETCH!	×	AXIS	Y	AXIS	Z	AXIS
PART NO.	DESCRIPTION OF EQUIPMENT		THOTON	ARM	MOMENT	ARM	MOMENT	ARM	NOMENT
2 25-36080-1	Body Section (As Weighed)		275.75	68.85	18,972.2	100.65	27,755.3	100.55	27,727.8
3.									
27	ADD:		0						
2									
8	DEDUCT:		0						
6									
11 25-36080-1	Body Section (Complete)		275.75	68.80	18,972.2	100.65	27,755.3	100.55	27,727.8
12									
14									
1.5									
16									
12									
18		-							
201		-							
21									
22		+							
23									
77 77									
26									
22									
28									
29									
30		+							
31		+							
32							 -		

	OFR-2106 4/29/63	T. VOGEL	d avenue	NCE	AXIS Z AXIS	MOMENT ARM NOMENT	,	27,374.2 100.63 27,422.9						 	27,374.2 100.63 27,422.9																					
Ω.	REPORT NO.	PREPARED APPROVED		WEIGHT AND BALANCE	AXIS Y A	MOMENT ARM		18,736.4 100.46							18,736.4 100.46 2																					
WEIGHT AND BALANCE CHANGE RECORD	AEO4(694)-046	25-36080-1 732		_	AZYTGUT X AX	ARM		272.50 (7.75 1		0			0	;	272.50 68.75 1	Compression of the compression o																				
6.3.19 WEIGHT AND B	CONTRACT NO.	WS 133 DRAWING NO.		HANGE RECORD		DESCRIPTION OF EQUIPMENT		tion (As Veighed)						11	tion (Complete)																					
9 .	CONTRACTOR EQUING SET TO WS 133			EQUIPHENT CHANGE		DESC		1 Body Section		ADD:		Directoral.	DEPOCE:	$\downarrow \downarrow$	1 Body Section																					
	ASSOCIATE CO	MODEL NO.		4E	רוני	PART NO.		2 25-36080-1	17	5	0 0) a	0 0	1_1	11 25-36080-1	77	1.3	14	15	176	17.	18	19	8	23	22	23	24	25	26	122	28	29	30	51	52

NO.D2-13946-5

	6.3.20	WEIGHT AND BALANCE CHANGE RECORD	ALANCE CH	ANGE REK	ORD				
ASSOCIATE CONT		CONTRACT NO.	AFO!: (694)-046	940-(# A	REPORT NO. DATE	0 <u>PR-2109</u>	50 %	
HODEL NO.	WS-133 DRA U.O 00002288 U.O	DRAWING NO. U.O. MISSILE	25-36080-1 735	-1	A P	PREPARED APPROVED	4	VOGEL ROBERTS	
	CEOUTA FORCED WITHOUT				WEIGHT	AND BALANCE	ANCE		
רוא	NALVOID 1	I	ሄጽ፣3ዘሞ	X	AXIS	Y	AXIS	Z	AXIS
PART NO.	DESCRIPTION OF EQUIPMENT	SNT		ARM	NOMENUE	ARM	MOMENT	ARM	NOMENT
2 25-36080-1	Body Section (As Weighed		271.95	68.69	18,79.5	100.50	27,331.9	100.59	27,355.3
2,									
5	ADD:		0						
2									
∞ 0	DELYOT:		0						
.11									
11 25-36080-1	Body Section (Complete)		271.95	69.89	18,679.5	100.50	27,331.9	100.59	27,355.3
1.3									
14									
15									
1,6									
12									
18									
19									
8 6									
22									
23									
24									
25									
56					ļ				
12									
28									
29									
20									
31									
32						-		_	

(

			6.3.21	WEIGHT AND BALANCE CHANGE RECORD	SALANCE CE	ANGE RE	CORD				
¥ 8	ASSOCIATE CONT COMPONENT	CONTRACTOR	EOETNG SKTEP	CONTRACT NO.	AFO+(694)-046	940-(RE	REPORT NO	OPR-2811 5/2/63	-	
N S	HODEL NO. SERIAL NO.		WS-133 0000229	DRAWING NO. U.O. MISSILE	25-36080-1 737	4	PF AF	PREPARED APPROVED	R. ST. ROLLING.	RCC NIN	
E		EDITEMENT CHANGE	P CHANGE RESORD				WEIGHT	AND BALANCE	LANCE		
r In					TESIGE	×	AXIS	¥	AXIS	Z	AXIS
	PAKI NO.	ומ 	DESCRIPTION OF	Figurear		ARM	MOMENT	ARM	MOMENT	ABM.	MOMENT
	25-30383-1	Pod: E	Section (As Weighed)	ighed)	272.50	68.61	18.697.0	100.63	27,421.3	100.54	27,397.6
<u>F</u> m											
		CTA:			0						
9		,							*		
7											
Σ .		DEDUCT			0						
6											
	20000	,						\ \		-	
	7-20200-T	Body S	Body Section (Complete	ete)	272.50	68.61	18,697.0	100.63	27,421.3	100.54	27,397.6
13											
74											
5											
16											
17											
18											
함											
ଯ											
7							-				
22											
23						:					
77.											
25											
92											
127											
چ ر											
8											
R											
2											
52											

	6.3.22 WEIGHT AND	WEIGHT AND BALANCE CHANGE RECORD	IGE RECORD				
ASSOCIATE CONT	CONTRACTOR ENTERS CONTRACT NO. STIRT LOT NO.	AFO4 (694)-046	-046	REPORT NO DATE	0 <u>r</u> R-2086 4/4/63	9	
HODEL NO. SERIAL NO.	WS-133 DRAWING NO.	25-36080-1 706		PREPARED APPROVED	H, CHRISTI G, ROBERTS	CHRISTIANSEN ROBFRTS	
	מפטיפם פייניני מימימימדורים		WEIG	WEIGHT AND BALANCE	CANCE		
	William I	TESTER	X		AXIS	Z A	5
PAKI NO.	DESCRIPTION OF EQUIPMENT		AKM ROMENT	AKM	TATAMOM	Arkit . ?	NOMENT
2, 25-36080-1	Body Section (As Weijsed)	273.35	CS. 50 16, CS. 2.	100.49	27,468.2	100.48 27	27,466.2
4.							
5	ADD:	0					
7							
∞ 0	DEDUCT:	0					
10					1.1	1-1	
11 25-36080-1	Body Section (Complete)	273.35	68.90 18,833.4	100.49	27,468.2	100.48 27	27,466.2
13							
14							
15							T
16				_			
12							T
10.							
100							
21							
22							
22							
25							
26							
22							
28				-		-	
53							
30							
(1)							
124							

NO. D2-13946-5

•

(

6.3.23 WEIGHT A	AND BALANCE CHANGE RECORD	ANGE REC	CORD				
COMPONENT SKIRT LOT NO.		AF 04(694)-046	RE	REPORT NC. DATE	0 <u>P3-2101</u>	01	
<u> </u>	. 25-36080-1 LE 726	L0	PR AP	PREPARED APPROVED	J. HILL G. ROBEETS	T. SEETIS	
רבטטים פטוואדט שוייייוםדווריד			WEIGHT	AND BALANCE	ANCE		
10	WEIGHT	X	AXIS	Y	AXIS	Z	AXIS
		H.M.	10000	Arcı	TOURS T	Front	riOrteut.
2.25-36080-1 Body Section (As Weighed)	275.20	68,73	38,935,2 100,66	100,66	27,702,1	100.54	27,667.4
4' ADD:	0						
7							
8 DEDUCT:	0						- T -
10 I SE ZEAR ROAT Section (Complete)	275.20	68.73	18,915,2	100,66	27,702,1	100.54	27,667.4
				J.,,			
1.5							
15							
16							
12							
19							·
50,							
22)							
23						,	
- 1 72							
25							
125							
28							
59							
30							
31							

NO. D2-13946-5

	6.3.24	WEIGHT AND BALANCE CHANGE RECORD	ALANCE CH	NGE REC	ORD				
ASSOCIATE CON	CONTRACTOR BOEING	CONTRACT NO.	AF 04(694)-046	940-(46	REPO	REPORT NO.	0PR-2098	98	
MODEL NO. SERIAL NO.	WS-133 0000235	DRAWING NO. U.O. MISSILE	25-36080-1	1-0	PR	PREPARED APPROVED	J. HILL G. ROBE	HILL ROBERTS	
	EDUIPHENT CHANGE RECORD				WEIGHT	AND BALANCE	ANCE	-	
PART NO.	NO NO	THEMAINCE	TESTE!	ARM	MONENT	ARW Y	AXIS	ARM	AXIS
1 2 25-36080-1 3	Body Section (As Weighed)	hed)	275.55	827	18,950,3 100,73	100.73	27,757.1		27,693.3
5	ADD:		0						
2 6 8 3	DEDUCT:		0						
10 11 25-36080-1	Body Section (Complete	(9)	275.55	68.78	18,952.3 100.73	100.73	27,757.1	100.50	27,693.3
12									
14									
16 17									
18									
28:									
22									
25				-					
25				-1				-	
26									
22/									
29									
37									
32									

PAGE 150

l

ASSOCIATE CONTRACTOR BDENIO CONTRACTOR REPORT NO. AFOAL (Sol.) - O.66	Ĺ		6.3.25	WEIGHT AND BALANCE CHANGE RECORD	SALANCE CH	ANGE RE	CORD				
Partal No.	4.0		BOETHG	TEACT NO.	AFO4 (694	940-(1	: H	EPORT NO	OPR-210 4/23/6	00 ~	
### PAPET NO. DESCRIPTION OF EQUIPMENT (As Weight)	- 44	ODEL NO.		NAING NO.	25-36080	1-1	ρ.	REPARED	W. BAII	(a)	
PART NO. DESCRIPTION OF EQUIPMENT X AXIS X AXIS Z. PART NO. DESCRIPTION OF EQUIPMENT X AXIS X AXIS Z. 25-36080-1 Body Section (Semplete) Z75.05 68.81 18,926.1 100.68 27,692.6 100.48 25-36080-1 Body Section (Semplete) Z75.05 68.81 18,926.1 100.68 27,692.6 100.48 25-36080-1 Body Section (Semplete) Z75.05 68.81 18,926.1 100.68 27,692.6 100.48	J)	ERIAL NO.		O. MISSILE	725		A	PPROVED	G. ROBE	SELEC	
PART NO. DESCRIPTION OF EQUIPMENT WEIGHT NEEDS AND NORTH AN	E		1				WEIGH	P AND BAU	LANCE		
PART NO. DESCRIPTION OF EQUIPMENT ARM MONENT ARM	ΓIN				WEIGHT	×	AXIS		4		AXIS
25-36080-1 Body Section (As Weighed) 275.05 68.81 18,926.1 100.68 27,692.6 100.46 DEDUCT: 0 DEDUCT: 0 25-36080-1 Body Section (Complete) 275.05 68.81 18,926.1 100.68 27,692.6 100.48		PART	- 11	(ENT		ARM	NOMENT	ARM	MOMENT	ARM	MOMENT
ADD: 0 0 DEDVOT: 0 0 E5-36080-1 Body Section (Complete) Z75.05 68.81 18,926.1 100.68 Z7,692.6 100.48	7	- 1	2004100	1	975 OE	K8 81	1 200 81	100	9 009 16	100 48	1 754 70
ADD: DEDUCT: 0 DEDUCT: 0 25-36080-1 Body Section (Complete) 275.05 68.81 18,226.1 100.68 27,692.6 100.48	1/2		מבה מדמוו		750	70.00	2017	201	21,272,12	21	¥ 20 20 =
ADD: DEDUCT: 0 DETUCT: 0 25-36060-1 Body Section (Complete) 275.05 68.61 18,926.1 100.68 27,592.6 100.48 1											
25-36080-1 Body Section (Complete) 275.05 68.81 18,926.1 hop.68 27,692.6 hop.48	7		ADD:		0						
25-36080-1 Body Section (Complete) 275.05 68.81 18,926.1 100.68 27,692.6 100.48	ه اد										
25-36080-1 Body Section (Complete) 275.05 68.81 18,926.1 100.68 27,692.6 100.48	70		the Carette		,						
25-36080-1 Body Section (Complete) 275.05 68.81 18,926.1 100.68 27,692.6 100.48	0		DEADCT		0						
25-36080-1 Body Section (Complete) 275.05 68.81 18,926.1 hop.68 27,692.6 hop.48	75										
	3 =		1		275.05	.68.81	18.926.1	100.68	1	100.48	27, 636,1
	12	1 1							} }		
	13			-							
	7										
	12										
	16										
	77							*-			
	78										
	13										
	ଯ		4								
	7										
	22							.			
	23										
25 26 28 29 30 31 32 32 33	77										
25 28 29 30 31 32	23										
27 28 29 30 31 32 32	56										
28 29 30 31 32	Z										
29 30 31 32	82						-				
30 31 32	87										
32	8							-			
32	2					-					
	35										

PAGE 152

,

	OFR-2108 4/30/63	R. ST. ROMAIN G. ROBERIS		Z AXIS	I ARM MOMENT	.9 100.66 27,363.4				.9 100.66 27,363.4																		
	T 30.	PREPARED R. S APPROVED G. I	AND BALANCE	Y AXIS	ARM MOMENT	100.50 27,321.9				100.50 27,321.9																		
CORD	REPOR	PREP	WEIGHT A	CAXIS	MOMENT	18,663.				18,663.0								-										
LANGE RE	±)-04e	t-C		×	ARM	68.65				68.65											ļ							
BALANCE CHANGE RECORD	AFO4(694)-046	25-36080-1 734		178.TGHT	TUNTE	271.85	0			271.85																		
WEIGHT AND	CONTRACT NO.	DRAWING NO. U.O. MISSILE	RECORD		(OF EQUIPMENT	(As Weighed)				(Complete)																		
6.3.27	TACTOR BOEIDIG	WS-133 0000238	EDITPHENT CHANGE RE	' 1	DESCRIPTION OF	Body Section (A	ADD:) PERVICED.	- TOOOTT	Body Section (C		-																
	ASSOCIATE CONTRACTOR COMPONENT	HODEL NO. SERIAL NO.		NIT	PART NO.	2 25-36080-1	5	9 2 8	6	10 25-36080-1	13	14	15	15	18	19	ୟ	21	77	25. Ju	25	126	27	28	29	30	31	32

NO.D2-13946-5 PAGE 153

1

27,336.7 27,336.7 INEMOK Z AXIS 100.50 100.50 ARM G. ROBERTS OPR-2112 5/2/63 T. VOGEL 27,353.2 27,353.2 MOMENT Y AXIS WEIGHT AND BALANCE REPORT NO. 100.56 68.76 18,702.7 100.56 APPROVED PREPARED ARM 68.76 18,702.7 MOMENT X AXIS WEIGHT AND BALANCE CHANGE RECORD ARM AFO4(694)-046 25-36080-1 738 272.00 272.00 WEIGHT d 0 CONTRACT NO. DRAWING NO. U.O. MISSILE DESCRIPTION OF EQUIPMENT Body Section (As Weighed) (Complete) EQUIPMENT CHANGE RECORD Body Section 0000239 WS-133 ASSOCIATE CONTRACTOR BOETING SKIRT 6.3.28 DEDUCT: ADD: 10 11 25-36080-1 12 14 15 16 17 2 25-36080-1 PART NO. SERIAL NO. COMPONENT HODEL NO. 52122242222222222 0 **PINE**

2-5550-0-11 R1

(

ES: SPAFANAS NO.D2-13946-5
PAGE 154

j

	6.3.29 W	WEIGHT AND BALANCE CHANGE RECORD	ALANCE CH	ANGE REC	CORD				
ASSOCIATE CONT	5)	CONTRACT NO.	AFO4 (694)-046)-046	EX.	REPORT NO.	OPR-2103	£ ~	
HODEL NO.	3	DRAWING NO. U.O. MISSILE	25-36080-1 728	-1	AF PF	PREPARED APPROVED	R. HOLOCAB	OCIB INCIS	
	GROTTER CHANGE RETORD				WEIGHT	AND BALANCE	LANCE		
LIN			TATER.	X	AXIS	Ā	AXIS	Z	AXIS
PART NO.	DESCRIPTION OF EQUIPMENT	ENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
2 25-36080-1 3	Body Section (As Weighed	(pa	274.87	68.73	18,886.3	100.41	27,593.3	100.67	27,663.6
5 6	ADD:		0						
8	DEDUCT:		0						
10 25-36080-1	Body Section (Complete)		274.80	68.73	18,886.8	100.41	27,593.3	100.67	27,663.6
12									
14									
16									
17									
19									
8 8									
22									
23									
<u>4</u> 2	1								
25									
92									
28									
29									
20									
31									
32						-			

PAGE 155

EQUIPMI BOOM BOOM BOOM BOOM BOOM BOOM BOOM BO		6.3.31 WEIGHT AND	WEIGHT AND BALANCE CHANGE RECORD	ANGE REC	ORD				
Pacation Complete Pacation Complete Pacation Complete Pacation Complete Pacation	1)-046	RE DA	PORT NO.	OPR-210 4/29/63	L	
Paguiphient Change Record Paguiphient Change Record (As Workthed)	TAL NO.			-1	PS - AP	TPARED PROVED		D RES	
DESCRIPTION OF EQUIPMENT WEIGHT ANN NOWERT ANN NOWER ANN NOWERT ANN NOWERT ANN NOWERT ANN NOWERT ANN NOWER ANN NOWERT ANN NOWERT ANN NOWERT ANN NOWERT ANN NOWER ANN NOWERT ANN NOWERT ANN NOWERT ANN NOWERT ANN NOWER ANN NOWERT ANN NOWERT ANN NOWERT ANN NOWERT ANN NOWER ANN NOWERT ANN NOWERT ANN NOWERT ANN NOWERT ANN NOWER ANN NOWERT ANN NOWERT ANN NOWERT ANN NOWERT ANN NOWER ANN NOWERT		1			WEIGHT	AND BAI	ANCE		
Description of Equipment ABM Novert ABM Novert ABM			WESIEF.		AXIS		AXIS	1	IXIS
ADD: O DEEMOTI: O DEEMOTI: O DEEMOTI: O DEEMOTI: O DEEMOTI: DEAM Section (Complete) Pody Section (Complete) Pody Section (Complete) DEAM Section (Complete)	PART NO.				MONENT	ARM	MOMENT	МЕН	NOMENT
ADD: DEDUCTI: Dody Section (Complete) Dody	25-36080-1	1 1	272.45	68.68	18,713.2	100.48			27,452.4
DEDUCT: Dody Section (Complete) 272.45 68.68 18,713.2 100.48 27,374.6 100.76		ADD:	0						
Body Section (Complete) 272.45 68.68 18,713.2 100.48 27,374.6 100.76		DEDUCE:	0						
	25-36080-1		272.45	68.68	18,713.2	100.48		100.76	27,452.4
			-						

PAGE 157

YGE 131

	10.0								
ASSOCIATE CONT	CONTRACTOR ROEDIG	CONTEACT NO.	AFQ4(694)-046	940-(ES /O	REPORT NO. DATE	OPR-2110 5/1/63	0	
HODEL NO. SERIAL NO.	WS-133 0000248	DRAWING NO.	25-36080-1 736	7	A P	PR-TPARED APPROVED		ROMATIN	
	EDUTPMENT CHANGE RECORD	ORD			WEIGHT	P AND BALANCE	ANCE		
İ			WEIGHT	×	AXIS	H	AXIS	2	AXIS
PART NO.	DESCRIPTION OF	F EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARW	MOMERY
2 25-36080-1	Body Section (As	As Weighed)	272.15	cz.89	18,695.6	300.58	27,373.6	100.51	27,353.5
	ADD:		0						
	DEDICE:		O						
25-36080-1	Body Section (Com	Complete)	272.15	68.70	18,695.6	100.58	27,373.6	100.51	27,353.5
	j								
								-	
			,						
•			_	_		_		_	

PAGE 158

j

1 3	.3.33	WEIGHT AND BALANCE CHANGE RECORD	MALANCE CH	ANGE REC		Ch. mac			
ASSOCIATE COI COMPONENT MODEL NO. SERIAL NO.	CONTRACTOR ROTING SKIRT WS-133 COOO346	CONTRACT NO. LOT NO. DRAWING NO. U.O. MISSILE	AF 04(694)-046 25-36080-1 722	94)-046 0-1	PEG PEG PEG PEG PEG PEG PEG PEG PEG PEG	REPORT NO. DATE PREPARED APPROVED	OPR-2097 4-16-63 J. HILL G. ROBE	7-2097 6-63 HILL ROBERTS	
	EQUIPMENT CHANGE RECORD				WEIGHT	AND BAJ	BALANCE		
PART NO.	ON OF	EQUIPMENT	WEIGHT	X ARM	AXIS	X ARM	AXIS	Z KRW	AXIS MOMENT
25-36080-1	Body Section (As Weighed)	ched)	275,60	82.89	18,0.3.0	3.0 100,62	27,731,0	100,43	27,678,0
	ADD:		0						
	DEDUCT:		0						
25-36080-1	Body Section (Complete)	te)	275.60	68.78	18,955.0 100,62	100,62	27,731.0	100.43	27,678,0
	·								

				AXTS	MOMENT	4.404.72			η· ηοη·12																
2		CHRISTIANSEN ROBERTIS		4 2	ARM	100.55			100.55																
	OPR-2081 3/27/63	H. CHRISTL	ANCE	AXIS	MOMENT	27,399.1			27,399.1															-	
	REPORT NO. DATE	PREPARED APPROVED	WEIGHT AND BALANCE	H	ARM	100.53			100.53																
ORD	ER DA	P.B.	WEIGHT	AXIS	MOMENT	18.729.ć			18,729.6																
ANGE REC	940-(40	7-7		×	ARM	68.72			68.72																
SALANCE CE	AFO4 (694)-046	25-36080-1 695		WRIGHT	THOTEL	272.55	0	0	272.55																
WEIGHT AND BALANCE CHANGE RECORD	CONTRACT NO.	DRAWING NO. U.O. MISSILE	Cas		. EQUIPMENT	(As Weighed)			(Complete)													ŀ			
6.3.34	CONTRACTOR BOEING SKIRT	WS-133 0000356	CHANGE RECORD	, ,	DESCRIPTION OF	Body Section (As	ADD:	DEDUCT:	Body Section (Com																
	ASSOCIATE CONT	MODEL NO. SERIAL NO.			PART NO.	2 25-36080-1 3	4 2	8	10 25-36080-1	13	15	16	17	19	ଛ	22	23	42	25	26	28	29	Q.	31	32

1

6.4 BASE HEAT DEFLECTORS

SERIAL NUMBER	25- 36379 -1	25-36378-1	25-36377-1
0000207 0000208	5.89 lb. 5.91	15.66 1b. 15.40	25.26 1b. 25.17
0000209	5.90	15.50	25.13
0000210	5.90	15.64	25.51
0000213	5.76	15.51	25.66
0000214	5.97	15.36	25.17
0000215	5.91	15.56	25.44
0000216	5.83	15.79	25.55
0000217	5.83	15.63	25.85
0000218	5.99	15.55	24.87
0000219	5.89	15.60	25.30
0000220	5.90	15.84	25.36
0000221	5.89	15.67	25.42
0000222	5. 96 '	15.69	25.07
0000223	5.98	15.56	25.82
0000224	5.89	15.72	25.52
0000225	5.84	15.55	25.34
0000226	5.99	15.77	25.49
0000227	5.98	15.61	25.46
0000228	5.81	15.68	25.53
0000229	5.89	15.58	25 . 26
0000232	5.89	15.61	25.56
0000233 0000235	5.83 5.82	15.81 15.70	25.32 25.47
0000235	6.02	15.64	25.79
0000237	5.84	15.47	25. 79
0000238	5.90	15.55	24.79
0000239	5.90	15.69	25.78
0000245	6.02	14.96	25.03
0000246	5.87	15.50	25.37
0000247	5.87	15.60	25.50
0000248	5.89	15.73	24.91
0000346	6.00	15.60	25.59
0000356	5.89	15.60	25.44
0000357	5.96	15.78	25.46
·		, ,	

U3 4288 2000 REV. 8/62

2-5142-2

REV SYM____

BOEING

NO. D2-13946-5